Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 138
Number 5

July 29, 1940

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Volume 138 July 29, 1940 Number 5

Chemical Manufacturers Ask Part in U.S.P. Revision

Because of the importance of Chemicals among therapeutic agents and because of the legal necessity for accurate standardization of drugs, the executive committee of the Manufacturing Chemists' Association of the United States is of the opinion that chemical science and chemical manufacturing should have a larger part in the revision of the United states Pharmacopeia. The position of the M.C.A. group has been set forth in resolutions submitted for the U.S.P. board of trustees as follows:—

Whereas, the committee of revision elected at the recent United States Pharmacopial Convention includes in its membership of fifty only three representatives of drug manufacturers and no representatives of manufacturing chemists; and

Whereas, the Pharmacopeia of the United States "is presented to the medical and pharmaceutical professions as being representative of approved therapeutic agents used in medical practice" and serves as the official standard for the drugs and chemicals included therein; and

Whereas, chemicals represent more than half of the articles listed in the pharmacopeia (not including nearly 140 chemical reagents referred to therein), and chemical manufacturers therefore have vital interest in the pharmacopeia; and

Whereas, the standardization of these chemicals and the establishment of proper tests for identity and purity and of assays for strength require the knowledge and skill of experienced chemists; and

Whereas, the knowledge, experience and facilities of the chemical manufacturers could thus be of great value to the committee of revision in assembling the data and making the investigations necessary in its work; and

Whereas, amendments to the constitution of the United States Pharmacopeial Convention are being considered; now, therefore, be it

Resolved, by the executive committee of the Manufacturing Chemists' Association of the United States: That, in the opinion of this committee, there should be adequate representation of chemical manufacturers on the committee of revision of the United States Pharmacopeia and that if it is impossible to add such members at this time they should be appointed to fill the first vacancies which may occur; and be it further

—Continued on page 29

Petroleum Products Exports Put Under License Control

OPD Washington Bureau
July 25, 1940

The administration today announced three steps to curtail drastically the exportation of petroleum and petroleum products.

President Roosevelt issued an executive order placing petroleum and petroleum products, and scrap iron and other scrap metal, under the export license control act, effective immediately.

The Office of Ship Movements of the Treasury Department, announced that it would refuse clearance papers for American flag tankers to carry petroleum products to European ports heretofore open to American vessels under the neutrality proclamations.

The United States Maritime Commission announced it would not permit American-flag tankers or cargo vessels to be chartered to aliens for movement in European or Oriental waters. The ruling is broad enough to apply to a company-owned tanker delivering a cargo of oil purchased by a foreign importer.

Export License Required

The President's action in placing oil and scrap metals on the license control list was made without explanation or comment. Unless modifie,d, it means that no shipments whatever of any petroleum derivative may be made to any foreign country without a specific license from the Division of Control of the Department of State. License application forms may be obtained from this division or or from customs houses.

The license control act has been in effect only three weeks and is not yet working smoothly, and there is still considerable delay in passing on applications for licenses, so the new additions to the list probably will result in further delays. The act authorizes the President to prohibit or

—Continued on page 46

Tobacco Monopoly Charged by U.S.

OPD Washington Bureau
July 24, 1940

Criminal charges of violations of the Sherman antitrust law have been filed in the Federal district court in Lexington, Ky., against eight major tobacco companies, twenty-six corporate subsidiaries and affiliates, and thirty-three individual officers of the concerns involved.

The Department of Justice says that this action represents its conclusion from a two-year investigation that the original "tobacco trust" decree of 1911 did not suffice to restore free competition, and that the Sherman act is today being violated in numerous respects by the major tobacco companies and the individuals and other companies named as defendants.

The government alleges that the major companies, by concerted action, have built up marketing systems for leaf tobacco and tobacco products which have been deliberately designed to enable them to dominate and dictate terms to growers of leaf tobacco who supply their principal raw material, and to the wholesalers and re-

—Continued on page 46

Export Control Rules Not Made Public

OPD Washington Bureau
July 26, 1940

Progress is being made by the Division of Control of the Department of State in administering the export license control act inasmuch as licenses are now being granted in considerable numbers and local customs authorities at the various ports are being instructed on the operation of the law, but principles used by the division in issuing or rejecting licenses are being kept secret.

A few interpretations are being issued to customs collectors, like that of July 19 that licenses are not required for U.S.P., N.F., chemically pure, and analytical reagent chemicals. Another interpretation involving chromate chemicals is due momentarily in connection with the specification of chromium compounds in the regulations.

These interpretations, however, are not being given general release, and the information is available only through local customs officials. The explanation given by the Department of State is that such information

—Continued on page 46

Drug 'Trust' Probe Still in Preparation

OPD Washington Bureau
July 25, 1940

Several weeks, perhaps months, will elapse before Department of Justice officials will be ready to begin presenting to the Federal grand jury here the evidence now being collected in the antitrust law investigation of the drug and toilet goods distributing trades.

A mass of documentary evidence was received when the grand jury assembled July 9, in answer to some 140 subpenas sent out previously, but many firms subpenaed requested and received extensions of time for replying. Others asked that Department of Justice officials visit their home offices and help them in selecting material from their files to be taken to Washington, and in many cases this was done. A number of new subpenas have been issued during the past couple of weeks, and the documents called for will not be submitted until the latter part of August.

In the meantime the officials assigned to the case say they will be kept fully occupied in sifting the files now on hand so that they are not being delayed by the fact that more material is due later. It is quite likely that nothing at all on this case will be ready for presentation by the end of the present grand jury term, and that the matter will go over until a new grand jury is sworn in in October.

Subpenas will be issued later for individuals to testify before the grand jury if it is decided to seek an indictment, but no names have been listed for this purpose as yet.

Trade Associations Must Know Antitrust Law Processes

By John M. F. Donovan, Jr.

Trade Association Counselor

(Continued from July 22 issue)

Public Welfare Protection

The Department of Justice is interested primarily in obtaining conditions which will assure a free market, untrammeled by restraints of trade and monopoly. It is interested in the right of independent businessmen to compete freely and to have an opportunity to win business wherever they can do so by offering a commodity or service as economically or efficiently as their competitors.

The department is not interested in providing a support for uneconomical and inefficient businesses which are unable to compete successfully in a free market. The objective of the department is to establish conditions where economical and efficient business will not be hampered because the market has been closed through the illegal agreements and practices of competitors.

The department seeks to protect the market for economically and efficiently run businesses regardless of their size. Underlying this objective, however, is the more fundamental and controlling interest of protecting and safeguarding the public welfare. Competition is not in and of itself an end, but it is a means, under our economic system, of promoting the public welfare. The real reason why the Department of Justice favors a free competitive market is that under our system of production and distribution, the greatest public benefits flow from a free competitive market. It is the duty of the department to try to help the public through helping independent business men.

The Department of Justice may be in possession of evidence indicating that many of the practices complained of in indictments against former defendants have not been wholly abandoned in an industry. For example, there may be reason to believe that the price levels for a product have continued to a large extent to be artificially maintained and that many of the terms under which the products jobbers are permitted to do business remain rigid and restricted. In such circumstances, the department may initiate a further investigation of the practices prevalent in the industry to ascertain whether or not such practices constitute violation of the antitrust laws.

In such a situation, two principal reasons may exist for such a supplementary investigation:—

(1) The department may be in possession of evidence indicating that many of the practices complained of in the former indictments against members of the industry have not been wholly abandoned. There may be reason to believe that the price levels for the product have continued

—Continued on page 53

Standards Bureau Tests Confidential

OPD Washington Bureau
July 25, 1940

Results of comparative tests made by the National Bureau of Standards may not be used for advertising purposes, according to a ruling by the Federal Trade Commission in an order requiring a Philadelphia cement company to discontinue practices held to be in violation of the F.T.C. act.

The commission found that the respondent, for the purpose of promoting the purchase of its products, published from time to time the results of cement tests made by the Bureau of Standards, and identified all masonry cements used in such tests. The findings continue that the respondent, one of the companies participating in the tests, violated the established understanding between the bureau and participants in the tests that such tests were of a confidential nature, were for the purpose of improving the mortars tested, and the results were not to be used for sales promotion.

The commission's order prohibits the respondent from divulging or assisting the purchasing public in determining the identity of the manufacturer or the brand-name of any cement which was tested by the Bureau of Standards, the results of which tests were published with cements tested listed under code or symbol numbers by the bureau in "Research Paper 683, A Study of the Properties of Mortars and Brick and Their Relation to Bond." The order further prohibits use by the respondent for sales promotional purposes, of any report by a United States agency, where use of such report is violative of any regulation issued by the agency, or where such use implies that the agency has approved or recommended the use of respondent's products.

Closing Markets

London Closing Cable

LONDON, July 26, 1940

Carnauba wax, 365s. per hundredweight.

Cottonseed Oil Steady

Refined cottonseed oil futures were steady on Friday in a quiet and featureless market. Closing prices were 10 to 15 points below the final quotations of the previous week. Southern markets for crude oil and other cottonseed products were quiet with offerings light and prices generally nominal.

Straits Tin Higher

Straits tin advanced ⅛c. to 51⅝c. in the spot market late in the week. However, the firmness did not reflect in any change for anhydrous tetrachloride of tin, which held at the 25¼c. per pound level.

Copper Firmer

A better demand developed for electrolytic copper late in the week, and smelters advanced price ⅛c. to 10⅝c. per pound level. Primary producers retained the 11½c. per pound price. Copper in the outside market was quoted at 10⅜c. per pound, while export was 10c. per pound. Japanese were believed to be active factors in export market.

Nitrate Mines Flooded

Reports from Antofagasta, Chile, stated that numerous mines were flooded in the nitrate and copper desert between the Andes and the ocean by unusual rainstorms July 25. More than 100 persons were feared to have been killed in the landslides which followed the rare rainstorms.

Fats and Oils Output In June Quarter Reported

OPD Washington Bureau
July 26, 1940

The Bureau of Census today reported the preliminary statistics of the factory production and consumption, imports exports and stocks of animal and vegetable fats and oils for the three-month period ending June 30, 1940. The production, exclusive of refined oils and derivatives, was 1,284,003,602 pounds, of which vegetable oils totaled 558,151,393 pounds; fish oils 5,843,367; animal fats 610,310,108; and greases 109,978,734. The largest items were lard 405,876,498 pounds; tallow 203,138,087; linseed oil 128,383,018; soybean 121,873,616; cottonseed 118,344,735; coconut 87,780,913; corn 41,184,697; castor 24,810,949; Babassu 18,784,582; peanut 11,554,000 and palm-kernel 3,727,803.

The production of refined vegetable oils during the period was as follows:—cottonseed 229,641,257 pounds; coconut 69,451,365; soybean 99,080,235; Corn 38,192,712; palm 6,915,169; peanut 10,911,590; babassu 6,866,924 and palm-kernel 1,949,841. The quantity of crude oil used in the production of each of these refined oils is included in the figures of crude consumed.

Manganese Research Gro Named by Defense Coun

OPD Washington Bureau
July 25, 1940

The minerals division of the Industrial Materials Department of the National Defense Advisory Commission has arranged with the National Academy of Sciences to appoint a technologic committee of ranking scientists and engineers to review the many projects for the development of new processes for recovery of manganese from low-grade domestic ores now before various government agencies.

The committee designated as the technologic committee on manganese of the National Academy of Sciences and the National Research Council, includes Chairman Clyde Williams, director of the Battelle Memorial Institute, Columbus, Ohio; secretary, A. C. Fieldner, chief technologic branch, Bureau of Mines; Dr. Fred G. Cottrell, Washington; James Critchett, vice-president of the Union Carbide & Carbon Research Laboratories, New York; John V. N. Dorr, of the Dorr Company, Westport, Conn.; Charles H. Herty, jr., of the Bethlehem Steel Company; Donnel F. Hewett, of the U. S. Geological Survey; John Johnston, director of research for U. S. Steel Corporation, Kearny, N. J.; and Gilbert Seil, director of research for E. J. Lavino Company, Philadelphia.

Chemical Price Boosts Predominate

Price movements ran both ways in the markets for heavy and fine chemicals last week. The heavy division went up; the fine went down, the former going the farther. Antimony was the influential item. The price of quicksilver was pared again.

Trading was of a mixed character, with a slight net decrease in volume. Most heavy consuming industries were taking relatively larger supplies, and some were laying up assurances for the rest of the year.

Prices were advanced on needle antimony, Straits tin, corn dextrin, cornstarch, tanner's corn sugar, corn syrup, gum turpentine, gum rosin, and cottonseed meal in the Southeast.

Prices were reduced on quicksilver, electrolytic copper, menthol, rosin oil, cocoa butter, domestic castor pomace, tankage here, and menhaden scrap futures.

The REPORTER's composite index number of prices for heavy and fine chemicals went to a new high of 129.9 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER's index number is now 91.9, compared with 88.7 at this time last year and 89.1 in 1938.

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Railroad Spurs Costs Must Be Paid by Users

OPD Washington Bureau
July 24, 1940

Railroads have no authority to construct and maintain at their expense side tracks and spurs solely for the use of a single shipper, the Interstate Commerce Commission has declared in a case which may serve as a precedent for railroad action charging many industrial plants for the maintenance of their loading facilities.

The decision was made in a case involving switching charges of the Sioux City Terminal Railway on refrigerator cars of meat-packing plants (Investigation and Suspension Docket No. 4419).

The matter came to light when the railway, in an attempt to justify increased switching charges, included maintenance, taxes, and depreciation of private side tracks for two packing plants in figuring its general cost of doing business. It developed during investigation that a third packing plant in Sioux City owns its side tracks, and the commission declared that this situ-

—*Continued on page* 27

Howard to Head Research For N.J. Standard Oil Co.

Frank A. Howard, president of Standard Oil Development Company, has been elected a vice-president of Standard Oil Company of New Jersey

Frank A. Howard

in charge of chemical, research and patent matters.

Mr. Howard will continue his duties as an officer and director of the Development Company and other affili-

—*Continued on page* 54

Motor Carrier Freight Changes Effective Aug. 26

OPD Washington Bureau
July 22, 1940

Revision of minimum class and commodity rates for motor carriers in central territory has been announced by the Interstate Commerce Commission, effective August 26. Commodities involved include compressed gases, lard, pine oil, scrap metals, petroleum, field seeds, empty gas cylinders, and brake or shock absorber fluid.

A selected list of the new rates appear below. Figures are in cents per 100 pounds for a minimum weight of 20,000 pounds, except where otherwise noted.

Compressed gases, such as liquefied carbon dioxide, in steel cylinders, from Detroit, Mich., to Cleveland, Ohio, 24 cents.

Lard, its compounds and substitutes, from Chicago, Ill., to points in Ohio, Indiana, and Kentucky, from 18 to 37 cents.

Pine oil, between points in Illinois and points in Wisconsin, same rates as apply to paint.

Scrap metals, such as aluminum, brass, bronze, copper, lead, and zinc, from Dubuque, Iowa, to Chicago, Ill., 19 cents.

Petroleum and its products, including compounded oils and greases having a petroleum base, from Chicago, Ill., and Whiting, Ind., to points in Wisconsin, 40,

—*Continued on page* 29

Chemical Workers And Payrolls Down

Employment Off 0.1 Percent Payrolls Show Small Drop Both Are Above 1939 Figures

Employment in factories engaged in the manufacture of chemicals and related products in the United States noted a decrease of 0.1 percent from June 15 to May 15, according to the Bureau of Labor Statistics. At the end of the monthly period employment was 8.5 percent above the corresponding level of 1939. Payrolls showed a decline of 0.1 percent from May 15 to June 15, but stood 12.1 percent above corresponding level for 1939.

The Bureau of Labor Statistics index number for factory employment in the chemical group of industries June 15 was 138.3 (100 equals 1923-25 average), compared with 136.2 for May 15 and 116.5 for June last year. For payroll totals the index number was 164.9 (same basis), compared with 161.9 for May and 131.5 for June last year.

The Bureau's general index numbers for all manufacturing industries June 15, 1940, showed the following comparisons:—

	June, 1940.	May, 1940.	June, 1939.
Employment	99.7	99.0	93.4
Payroll total	97.9	96.3	86.5

Employment in the chemical group of industries was 38.7 percent above the average of all industries. Payroll totals were 68.4 percent above the general average for all industries.

Detailed Comparisons

Employment

(100 = 1923-25 average)

	June, 1940.	May, 1940.	June, 1939.
Chemicals	138.3	136.2	11.65
Cottonseed oil, cake and meal	55.5	67.8	54.3
Druggists' preparations	115.9	118.4	108.3
Explosives	126.4	118.0	89.7
Fertilizers	88.4	129.1	78.9
Paint and varnishes	126.4	125.9	124.3
Petroleum, refined	123.1	121.8	120.5
Rayon and allied products	306.0	304.3	286.2
Soap	81.9	81.4	79.6

—*Continued on page* 27

Soybean Standards Meeting July 29-31

A series of public meetings on a proposal to promulgate under the Federal grain standards act the present United States standards for soybeans was announced today by C. W. Kitchen, Chief of the Agricultural Marketing Service. The announcement follows the signing by President Roosevelt on July 18 of a bill providing for an amendment to include soybeans within the terms of the act. The meetings are scheduled for Toledo, Ohio, Peoria, Ill., and Chicago on July 29, 30 and 31, respectively.

The expansion of the soybean crop and its importance in marketing channels in recent years, Mr. Kitchen said, have attained such proportions that the entire soybean industry recognizes the need for official inspection, grading and certification as now provided for other grains under the act. Official United States standards for soybeans are now in use on a voluntary basis. The inclusion of soybeans under the act will make available the more widespread supervision and appeal service that the act provides, Mr. Kitchen said.

The public meetings are being held in order that producers, shippers, processors, warehousemen and others may be given an opportunity to express their views on this proposal. The time and place of each meeting are:—July 29, Toledo, Ohio, trading floor of the Toledo Board of Trade at 1:30 p.m.; July 30, Peoria, Ill., exchange room of the Peoria Board of Trade at 2 p.m.; and July 31, Chicago, Board of Trade Building at 2:30 p.m. All interested parties are invited to attend these meetings. Persons unable to attend may submit their comments and suggestions in writing to the Agricultural Marketing Service, Washington, D. C. Such comments should be received on or before July 31. Copies of the present soybean standards may be obtained upon request to the Agricultural Marketing Service or to anyone of its grain and seed branch offices.

National Defense Program and The Paint Industry

By Ernest T. Trigg

President, National Paint, Varnish and Lacquer Association

Address delivered before N.P.V.L.A. trade sales and industrial sales committees meeting in Chicago, July 23 and 24, 1940

In this time of uncertainties, with another and fiercest of all wars being fought in Europe, it is well that our industry should have such information of a collective nature as is available to assist insofar as it may in helping to guide our individual courses of action. It is, of course, evident that this is a different kind of a war and that the economic conditions which have developed and are developing differ in most respects from those of the previous war.

At the request of the president of the then-existing Paint Manufacturers' Association, I briefly reviewed the raw material field as applied to some of the principal articles at a meeting of that association held in Cleveland, June 2, 1916. And just to refresh your memories as to what was then happening, let me quote a paragraph from that talk:—

The difficulties of the past twenty-two months have served to give many paint manufacturers a liberal education, not previously possessed, as to our dependence upon the outside world for many products essential to paint making. Under normal conditions, we oftentimes took things too much for granted. There was no special reason why we should be concerned about the origin of at least some of the less important products used. With the advent of the war, and the rapid advances in costs which followed it, together with the inability to get some raw materials at all, manufacturers soon found that actually all of the four quarters of the world were drawn upon to produce products for our factories. Gradually during the period since August, 1914, we have been adjusting ourselves to the new conditions, and there is today a much better understanding of the situation than existed two years ago.

In that talk I listed the increase in cost in certain principal raw materials during the period from 1914 to 1916, and I am repeating those figures as presented at that time and against them I am showing the situation with regard to the identical raw materials, based on OIL, PAINT AND DRUG REPORTER quotations as of July 15, 1940, against July 10, 1939. I am using the one-year period in the current figures to substantially coincide with the period of time the present European war has been in effect:—

	1914 vs. *1916.	1940 vs. 1939.
New Jersey zinc	85	no change
Leaded zinc	100	no change
French process zincs	275	no change
Lead carbonate	75	no change
Lead sulphate	85	no change
Lithopone	200	4% decrease
Whiting	25	33⅓% increase
C.P. Green	300	no change
25% green	200	no change
C.P. yellow	250	7% decrease
Para concentrate	600	6% decrease
Ultramarine blues	40	no change
Ochres (domestic)	30	no change

* Approximate percent advance.

Titanium was not a factor in the industry in 1916. The current price on titanium Dioxide is the same as it was a year ago.

I did not have figures in that talk covering liquids employed in our industry other than to refer to the fact that tung oil had advanced practically 100 percent. Crude oil products, such as turpentine substitutes and benzin were being offered on contract for the last half of the year at practically 100 percent higher than prices at which some contracts were made for the first half of the year. Tin cans, I reported, had advanced from 15 percent to 25 percent depending on the style and size of the can.

The markets on important liquids today as compared to a year ago, again based on OIL, PAINT AND DRUG

—*Continued on page* 21

Petitt Succeeds Smith As Potash Co. Sales Head

George E. Petitt, first vice-president of the Chilean Nitrate Sales Corporation, this city, will resign to become vice-president in charge of sales for the Potash Company of America, Baltimore, on September 1. He will succeed Cephas C. Smith, who is retiring, but who will continue in capacity of sales advisor for the company.

George E. Petitt

Mr. Petitt was associated with the Potash Company of America from 1934 to 1936, when he left to assume his present post with the nitrate company. He began his career in the industry with the Armour Fertilizer Works, Atlanta, as general superintendent of the Carteret, N. J., plant. In 1928 he was named superintendent of all Armour fertilizer plants throughout the country, a position he held until he left to join the nitrate company six years later.

Mr. Smith is another former Armour official, being salesman and manager from 1900 to 1909. He was the general manager of the German Potash Syndicate from 1909 until 1913 and returned to that position in 1921 to serve for twelve years more. He assumed his present post in 1934.

Chilean Nitrate Names N. Myers Vice-President

Nelson Myers, manager of the Columbia, S. C., office of the Virginia-Carolina Chemical Corporation, Richmond, Va., has resigned that position and will become first vice-president of the Chilean Nitrate Sales Corporation, this city, September 1. He will succeed George E. Petitt, who has resigned to become vice-president in charge of sales for the Potash Company of America.

Mr. Myers began his career in the industry with the Armour Fertilizer Works, Atlanta. He worked in its Nashville, Tenn., and Columbia, S. C., offices for about five years and then was named to the sales staff of the main office. In 1934 he joined the Virginia-Carolina organization, assigned to the Greensboro, N. C., office. He became assistant to the sales manager at the main branch one year later. He was named to his present position at Columbia in 1938.

La. Sales Tax Revoked

The Louisiana legislature has enacted a law repealing December 31, the act imposing a State sales tax. The new law also nullifies municipal ordinances and the like which would perpetuate the sales tax. The occupational tax law of 1934 is not repealed.

Wage-Hour Law Definitions Wanted

OPD Washington Bureau
July 27, 1940

The Wage and Hour Division of the Department of Labor will decide in a few weeks whether to issue redefinitions of the terms, "executive, administrative, professional," and "outside salesman," Examiner Harold Stein announced this week at the fourth of a series of hearings on proposed redefinitions as applied to the transportation, public utility, and communications industries. The other three hearings, held within the past few months, concerned the wholesale distributive trades, the manufacturing and extractive industries, and banking and finance.

Witnesses at this week's hearing, continuing criticism of the provisions of the fair labor standards act, asked for separate definitions of executive and administrative, contended that many employees not now excluded from the act are entitled to exemptions, and they offered appropriate redefinitions. The proposals would increase the number of workers who would not come under the act, and in addition would include minimum salaries of between $25 to $30 weekly for administrative and from $30 to $37.50 for executive employees.

Representatives of the International Federation of Architects, Engineers, Chemists, and Technicians pointed out that the term, "professional," has various meanings in different Federal laws, and advocated a definition to include only the higher-paid and more experienced professionals.

Overtime Wage Scale Satisfies U.S. Law

OPD Washington Bureau
July 23, 1940

The Federal wage-hour act does not require an employer to pay overtime on overtime wages fixed under a union agreement, says Col. Philip B. Fleming, Administrator of the Wage and Hour Division of the Department of Labor. An employer may properly consider as overtime compensation paid by him for the purpose of satisfying the requirements of the act, any extra compensation he may have paid for overtime work under a union agreement or other agreement.

This matter is covered among others in new paragraphs discussing the relationship of employment agreements to provisions of the wage and hour law, issued to supplement interpretative bulletin No. 4, describing the minimum wage and maximum hours coverage of section 7 of the act. The supplemented bulletin, copies of which are available at branch offices of the Wage and Hour Division throughout the country or may be obtained direct from the division at Washington, contains a number of illustrative examples fully worked out on relationship between union agreements and the wage and hour law.

The bulletin also discusses the status of "supper money" and payment for holidays not worked. On these subjects Colonel Fleming says:—

Supper money is frequently paid to employees required to work through or after the regular evening mealtime. Its amount depends variously on union agreements, on the employer's generosity, on the season of the year, or, not infrequently, on whether the worker's position demands pate de foie gras or baked beans to silence the insistence of his appetite. It is our contention that amounts so paid do not normally depend on the number of hours worked, and that since they are not paid primarily as overtime compensation and no social security deductions are made from them, employers cannot rightly credit them as overtime wages paid to meet the requirements of the law.

Nor can payment made for holidays when establishments are closed be claimed as overtime payments. Occasionally we have encountered employers who claim that, since they have paid a man for a holiday in a workweek, they don't have to pay him for overtime actually worked that week. They are wrong, since, under the fair labor standards act, the payments for which an employer can claim credit as overtime compensation paid to his employees fall into just one class—overtime payments actually made for overtime work performed.

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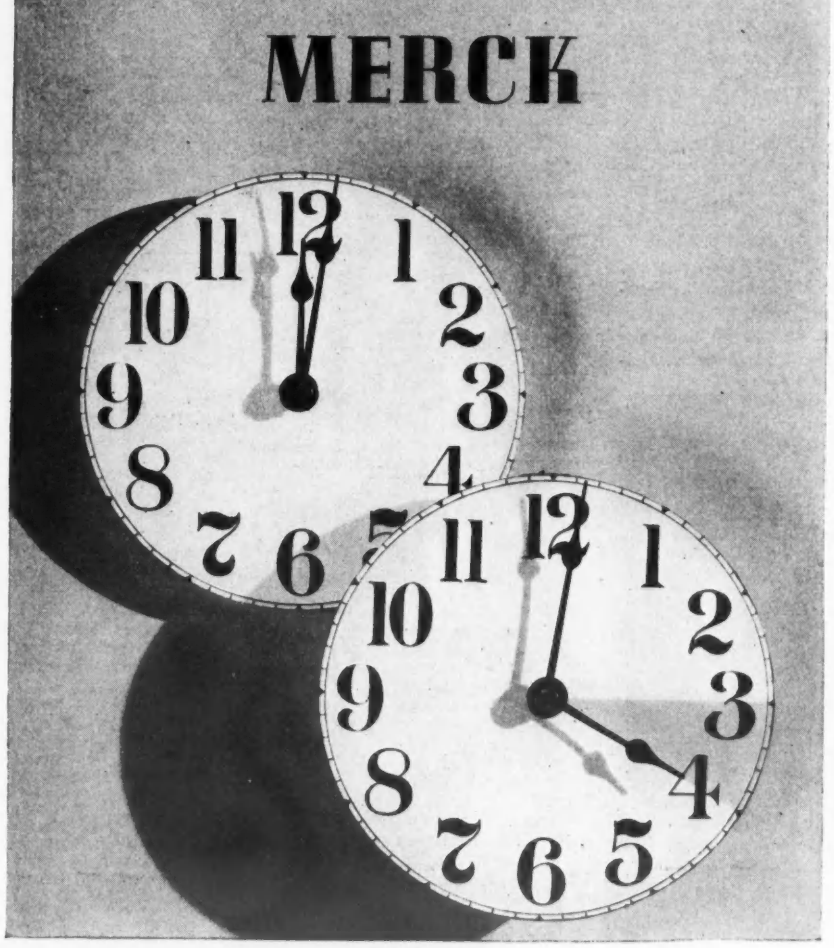

Clinical studies indicate that the antacid action of Magnesium Trisilicate persists for a period of three to four hours. This prolonged effect greatly facilitates the control of hyperchlorhydria.

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As measured by the methylene blue method, the adsorptive power of Magnesium Trisilicate is much greater than that of aluminum hydroxide, bismuth salts, magnesia, prepared chalk, and other commonly used adsorbents.

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Literature on Request

MAGNESIUM TRISILICATE MERCK

A Superior Antacid and Adsorbent

MERCK & CO. Inc. *Manufacturing Chemists* RAHWAY, N. J.

Current Market Quotations

July 26, 1940

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
Acetanilide, tech., 95-98%, chips, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., 95-98%, chips, bbls..lb. .22 - —
cryst., bbls.....lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .06½- —
l.c.l., dlvd.....lb. .07 - —
tanks, dlvd.....lb. .05 - —
Methyl (see M).
Acetophenone, bots.....lb. 1.60 - —
cns., 25 to 50 lbs.....lb. 1.30 - 1.35
dms., 100 lbs.....lb. 1.27 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Tex. E. of Austin and Brownsville...lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys., cs.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys., cs.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys., cs.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys., cs.....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5% bbls.....100 lbs. 7.62 - 7.87
cbys. .....100 lbs. 8.12 - 8.37
tanks .....100 lbs. 5.00 - —
USP, bbls.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 99.5%, al. dms.....
100 lbs. 8.43 - 8.68
cbys., cs.....100 lbs. 8.93 - 9.18
USP, al. dms.....100 lbs.10.25 -10.50
cbys., cs.....100 lbs.10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys., cs.....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys., cs.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys., cs.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys., cs.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Adipic, fib. dms., works.....lb. .31 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .22 - .25
Ascorbic, bots., dms.....oz. 2.25 - 2.50
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld....ton.96.00 - —
ton lots, ex whse...ton.108.00 - —
less than ton lots, ex whse..ton.113.00 - —
bbls., c.l., frt. alld...ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse...ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld...ton.111.00 - —
ton lots, ex whse...ton.123.00 - —

Acid, boric, tech., 99.5%, powd., bbls., less than ton lots, ex whse..ton.128.00 - —
USP, $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 7.00 - —
Capric, dms.....lb. .13¾- .14¼
Caproic, dms., works.....lb. .30 - .35
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .16 - .16½
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N.Y..lb. .15¼- —
l.c.l., 5 tons, dlvd., N. Y. lb. .15¾- —
smaller quantities, dlvd. N.Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .10½- .11
Corn, dist., dms.....lb. .09 - .09⅛
Cottonseed oil, dist., dms....lb. .08½- .09
tanks .....lb. .08 - —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equld..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
imported, pale, dms...gal. .65 - .70
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U.S...gal. .40 - —
l.c.l., same basis....gal. .41 - .42
tanks, dlvd., East U.S.gal. .389 - —
medium-boil (222°-249°), non-return dms., c.l., works, East., U.S..gal. .46 - —
l.c.l., same basis....gal. .47 - .48
tanks, dlvd., East. U.S..gal. .448 - —
Crotonic, 10 bbls. or more, dlvd..lb. .21 - —
smaller lots, dlvd.....lb. .26 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 and over.....lb. .11 - —
1-24 .....lb. .11½- —
Fumaric, bbls., 1-ton delivery.. lb. .24 - —
smaller lots.....lb. .25 - .28
Gallic, tech., bbls.....lb. .90 - .93
N. F., VI. bbls., 200 lbs., 5 or more..lb. 1.07 - —
single bbls.....lb. 1.10 - —
fib. dms., 25 lbs.....lb. 1.16 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs. or cbys.....lb. .17 - —
25 or 50-lb. demijns.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H, bbls.....lb. .45 - —
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. lots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, U.S.P., 48%...lb. .48 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber dms.....lb. .08 - .08½
48%, lead cbys.....lb. .12 - —
rubber dms.....lb. .11 - —
52%, lead cbys.....lb. .13 - —
rubber dms.....lb. .12 - —
60%, lead cbys.....lb. .14 - —
rubber dms.....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs. bbls..lb. .09 - .09¼
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys. works...100 lbs. 3.75 - —
44%, bbls., c.l., works. 100 lbs. 5.50 - —
l.c.l., bbls., works.. 100 lbs. 5.75 - —
cbys.. works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works....100 lbs. 6.75 - —
cbys., works..100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11½
5 to 19, cbys.....lb. .11 - .12
1 to 4, cbys.....lb. .11½- .12½

Acid, lactic, plastic grade, bbls., cbys., 20 or more..lb. .12½- .13½
5 to 10, cbys.....lb. .12¾- .13¾
1 to 4, cbys.....lb. .13¾- .14½
80%, bbls., cbys., 5 or more.lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms.....lb. .12½- .13
Laurent's, bbls.....lb. .45 - —
Linseed oil, light, dms.....lb. .13¼- .13¾
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kegs, works.....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works.....100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works. 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works.....100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works.....100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P., dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .17¾- .18¼
Naphthenic, dom., acidity 160, dms., c.l., works..lb. .06½ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinic, 25-lb. cns.....lb.15.00 -15.50
5-lb. bots.....lb.16.50 - —
1-lb. bots.....lb.17.00 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24 works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24 works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .07 - .07½
tanks .....lb. .06½- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50% s. g. 1.347, cbys., 70 lbs..lb. .12 - —
dms., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic synth., pure, 55-gal. drs., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.20 - —
cns. .....lb. 1.25 - —
USP, cryst., cns.....lb. 1.70 - —
resubl., cns.....lb. 2.25 - —
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., c.l., works.....lb. .27 - —
l.c.l., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works...lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .09¼- .09¾
Stearic, dist., double pressed, bgs., dlvd..lb. .09¾- .10¾
single pressed, bgs., dlvd..lb. .09¼- .10¼
triple pressed, bgs., dlvd..lb. .12½- .13½
saponif., double pressed, bgs., dlvd..lb. .10 - .11
triple pressed, bgs., dlvd..lb. .12¾- .13¾

Acacia—Alcohol

Acid, succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.30 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .06½- —
9-lb. lots.....lb. .16½- —
consumers, cbys.....lb. .08 - —
9-lb. lots.....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms.....lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. lots..lb. .98 - —
100-lb. lots.....lb. 1.00 - —
25-lb. lots.....lb. 1.03 - —
powd., bbls., 1,000 lbs....lb. .88 - —
smaller lots.....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment.....lb. .41¼- —
smaller quantities...lb. .41¾- —
kgs. .....lb. .42¼- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs., works....lb. No prices
Chem. grade, kgs., works..lb. No prices
Aconite leaves, bls.....lb. .32 - .34
Root, bls.....lb. .35 - .36
Aconitine, amorph., bots.....oz.23.00 - —
vis. .....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vis. .....gr. 1.60 - —
Adeps lanae, anhyd., dms.....lb. .26½- .27
hyd., dms.....lb. .24½- .25
Agar, 1, bls.....lb. 1.50 - 1.55
3, bls.....lb. No prices
Agaric, white, bls.....lb. 5.00 - 5.25
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis.lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .62
import ,bgs.....lb. No prices
Egg, ed., dom., cryst., bbls..lb. .54 - .60
powd., dms., bbls.....lb. .59 - .65
import, cs.....lb. .60 - .62
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
normal, dms., l.c.l., wks....lb. .25 - —
Benzyl, cns.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, cns., works...lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
tanks, frt. alld.....lb. .08 - —
tankwagon, frt. alld.....lb. .08½- —
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
tertiary, denaturing, c.l., dms..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11½- —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —
import, 85%, 100-lb. dms....lb. .55 - —
5 to 10 lbs.....lb. .75 - —
com'l, 350-lb. dms.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E..gal. .31½- —
l.c.l., works, dms.....gal. .36½- —
tanks, E., works.....gal. .25½- —

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI 190 pf., bbls., c.l., E. works..gal. .29½- —
19 bbls., E. works....gal. .31½- —
1 to 18 bbls., E. works, gal. .34½- —
dms., c.l., E. works...gal. .28½- —
19 dms., E. works....gal. .30½- —
1 to 18 dms.....gal. .33½- —
tanks, E. works.....gal. .22½- —

Anhydrous 3c. per gal. higher.

SD-2B, dms., c.l., works, E. gal. .26½- —
19 dms., works, E...gal. .28½- —
1 to 18 dms., works, E. gal. .31½- —
tanks, E. works.....gal. .20½- —
SD23G, works, E., c.l., dms., gal. .32½- —
19 dms.....gal. .34½- —
1 to 18 dms.....gal. .37½- —
tanks .....gal. .26½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

Alcohol—Bismuth Subnitrate

Alcohol, special solvent, dms., c.l., E., works..gal. .29½- —
20 dms., E. works.. gal. .31½- —
1 to 10 dms.....gal. .34½- —
tanks, E. works.....gal. .28½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
cns., works.....lb. .16½- .18½
tanks, dlvd.....lb. .11 - —
tech., dms., c.l., dlvd.....lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
cns., works.....lb. .16 - .18
tanks, dlvd.....lb. .10½- —
Ethyl, 190 pf., ex. molasses, bbls., c.l..gal. 5.97½- —
19 bbls.....gal. 6.01 - —
1 to 18 bbls.....gal. 6.04 - —
dms., c.l.....gal. 5.96½- —
19 dms.....gal. 6.00 - —
1 to 18 dms.....gal. 6.03 - —
tanks .....gal. 5.90½- —
absolute, dms., c.l.....gal. 6.31½- —
19 dms.....gal. 6.35 - —
1 to 18 dms.....gal. 6.38 - —
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same bazis.....lb. .25 - —
Tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 35,000 lbs, works, lb. .29 - —
l.c.l., 500 lbs, and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., works..lb. .0690- —
tanks, same terms.....lb. .0590- —
Isopropyl, refd., 91%, dms., 5 gal., f.o.b. dest..gal. .65 - —
55 gal., c.l., same basis, gal. .33½- —
l.c.l., same basis...gal. .38½- —
tanks, frt. alld.....gal. .28½- —
99%, dms., 5 gal., same basis, gal. .65 - —
55 gal., c.l., same basis, gal. .36 - —
l.c.l., same basis...gal. .41 - —
tanks, same basis.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cans.....lb. 2.30 - 3.85
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .60 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .70 - —
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y.lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b., Cedar Rapids, ra. lb. .55 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .60 - .65
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .40 - .42
gourds, bbls.....lb. .86 - .85
Socotrine, kgs.....lb. .42 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - —
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .80 - .85
peeled, bls.....lb. .58 - .63
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd., N.Y., Phila..100 lbs. 3.50 - —
lump, bbls., works.....100 lbs. 3.75 - —
dlvd. N.Y., Phila..100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd. N.Y., Phila..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd N. Y. prices apply to truck or ex warehouse.
Potash, gran., bbls., works, 100 lbs. 3.75 - —
dlvd. N. Y., Phila..100 lbs. 3.75 - —
lump, bbls., works.....100 lbs. 4.00 - —
dlvd. N. Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash chrome, bbls.....lb. No price
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd..lb. .35 - —
1 to 9, dlvd.....lb. .40 - —
smaller containers, dlvd. lb. .50 - —
soluble, bbls., dlvd....lb. .33 - —
smaller containers, dlvd. lb. .45 - —
solut., 32%, bbls., c.l., dlvd..lb. .09½- —
l.c.l., 10 or over, dlvd. lb. .11 - —
1 to 9, dlvd.....lb. .12 - —
normal, pwd., bbls., dlvd. lb. .22 - —
smaller containers, dlvd. lb. .35 - —
solut., 20%, bbls., c.l. dlvd..lb. .08 - —
l.c.l., 10 or over, dlvd. lb. .08½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —

Alum, chloride, cryst., com'l, dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .0315- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½- —
bbls., c.l., dlvd.....lb. .12½- —
l.c.l., bbls., dlvd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .18 - —
l.c.l. .....lb. .19 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works.....100 lbs. 1.35 - —
l.c.l., works, frt. equaled, 100 lbs. 1.60 - —
iron-free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works.....100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —
Aluminum 98-99%, c.l.....lb. .19 - —
l.c.l. .....lb. .20 - —
paste, lining, extra, fine, dms., 1,500 lbs..lb. .62 - —
ink, dms., 1,500 lbs.....lb. .72 - —
standard, dms., 1,500 lbs..lb. .89 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .56 - —
standard, dms., 1,500 lbs..lb. .56 - —
rubber compound, dms., 1,500 lbs..lb. .39 - —
unpolished, dms., 1,500 lbs. lb. .56 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
standard, dms., 1,500 lbs..lb. .39 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz.17.00 -26.00
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .26
Aldehyde, dms., works.....lb. .65 - .70
Anhydrous, fertilizer, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va.....ton.90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N. Y., lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l. .....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs, or less.....lb. .42 - —
Bicarbonate, bbls., dlvd., Met. N. Y..lb. .0356- —
kgs., same basis.....lb. .0606- —
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - —
bxs. .....lb. .34 - .35
kegs .....lb. .32 - —
Carbonate, lump, bbls., dlvd., Met. N.Y..lb. .08 - —
kgs., same basis.....lb. .11 - —
cns., same basis.....lb. .13½- —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .85 - —
cns. .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .20
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. .17 - .19
Persulphate, kgs., dom.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N 48% phos., bulk, f.o.b. E. works.. unit-ton. 1.55 & .79
pure, bbls. .....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½- —
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l. contr., f.o.b. cars, ports, July-Dec. shipt..ton.28.00 - —
spot, same basis.....ton.29.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., dlvd..lb. .08 - —
l.c.l., works.....lb. .12 - .13
tanks, dlvd.....lb. .07½- —

Ammonia, sulphide, red, 48%, cbys., works..lb. .07½- —
dms., works.....lb. .05½ —
yellow, 33%, cbys., works..lb. .07½- —
dms., works.....lb. .05½- —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.00 - 5.15
import, csks. .....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
cns., works.....lb. .16 - .18
ex Pentane, dms., c.l., frt. alld..lb. .10¼- —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .09½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0465- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works..lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works.lb. .26 - —
Amylene, dms., c.l., works....lb. 1.02 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .25 - .26
import, natural, bls.....lb. 1.75 - 1.80
twisted, bls.....lb. 1.95 - 2.00
Angostura bark, bls.....lb. .28 - .32
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works .....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .13½- .14
Cyprus, bgs.....lb. .16 - .16½
Mexican, bgs.....lb. .13½- .14
Spanish, bgs.....lb. .27½ Nom.
Star, bgs.....lb. .16 - .16½
Anisic aldehyde, bots.....lb. 2.85 - 2.90
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06½- .07
Anthracene, 80 85%, bbls., wks., lb. .55 - —
90%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, powd.....lb. .20 - .24
Oxide, bgs., c.l.....lb. .13 - .14
l.c.l. .....lb. .14½- —
Salt, 65%, dms.....lb. .30 - —
bbls. .....lb. .38 - —
White pigment, bgs., f.o.b. Laredo, Tex..lb. .13 - .16
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .11½- .12
Arecoline hydrobromide, bots..oz. 5.00 - 6.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. .60 - .70
Root, bls.....lb. .43 - .55
Arrowroot, St. Vincent, powd. bgs..lb. .09 - .09½
bbls. .....lb. .09½- .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03¼- —
l.c.l. .....lb. .04 - —
Asafetida, cs.....lb. .33 - .34
powd., bbls., bxs.....lb. .56 - .57
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons). Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l. (30 tons). Canad. mines..ton.15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant.....lb. .04½- —
smaller lots, f.o.b. plant, lb. .05¼- —
process form, bgs., 20 tons, f.o.b. plant.....lb. .05 - —
smaller lots f.o.b. plant..lb. .06 - —
California, dms., c.l., f.o.b. N. Y..ton.29.00 - —
l.c.l., f.o.b. N. Y.....tan.36.50 - —
Cuban A, bgs, c.l., f.o.b. N.Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y..lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton.32.00 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.32.90 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
Jet., bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N Orleans, refinery...gal. .06 - —
Atropine, bots.....oz. 5.75 - 6.00
Sulphate, bots.....oz. 4.00 - 4.75

B

Balm of Gilead buds, bgs.....lb. .40 - .43
Barberry bark, bgs.....lb. .37 - .39
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 90-96%, grd., bgs., c.l., works, ton.45.00 -47.00
99% thru 200 mesh, bgs., c.l., works..ton.47.00 -49.00
precip., bgs., c.l., works..ton.47.50 -50.00
l.c.l., works.....ton.52.50 -55.00
bbls., c.l., works.....ton.52.50 -55.00
l.c.l., works.....ton.57.50 -60.00
sulphur-free, bgs., c.l., works, ton.57.50 - —
l.c.l., works.....ton.62.50 - —
Chlorate, kgs.....lb. .25 Nom.
Chloride, CP, cryst., bbls....lb. .25 - —
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis ton.90.00 - —
bbls., same basis...ton.92.00 - —
Zone 2, bgs., c.l. dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis...ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l. Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l. dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis.ton.96.00 - —
bbls., same basis...ton.98.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., same basis.....lb. .12 - .15
Fluoride, bbls.....lb. .14 - .15
Hydrate (see Hydroxide).
Hydroxide, bbls., imp.....lb. .05½- .06
dom., works.....lb. .06½- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .08½- .10½
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .12 - .16
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.25.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis. ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York.....ton.31.50 - —
Southern off color, bulk mines, ton.12.00 - —
95.75%, bulk, mines.....ton.16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton.11.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk mines.....ton. 7.00 10.00
Bay leaves (see Laurel leaves)
Bay rum, import., bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls..... .50 - .52
Root, bls.....lb. .62 - .65
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .55 - .60
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls..... .....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .20 - —
tankcars, frt. alld. E. of Omaha, gal. .15 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .15 - —
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cans....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cns..lb. .84 - —
dms. .....lb. .80 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb.17.25 -17.50
Hydrochloride, cns.....lb.17.25 -17.50
Sulphate, cns.....lb.17.25 -17.50
Berberis root, bls.....lb. .12 - .13
Betanaphthol, sublim., kgs....lb. .60 - —
tech., bbls. c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fig. dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots....lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib. dms.....lb. 1.13 - —
Subcarbonate, bots., cns.....lb. 1.82 - 2.08
fib. dms.....lb. 1.73 - 1.76
X-ray, 5-lb. bots.....lb. 3.02 - —
fib. dms.....lb. 2.96 - —
Subgallate, bots., cns.....lb. 1.77 - 2.08
fib. dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 3.98 - —
Subnitrate, powd., bots., cns..lb. 1.57 - 1.83
fib. dms.....lb. 1.48 - 1.51

Bismuth, subsalicylate, 61-66%, bxs..lb. 2.59 - —
bbls., flb. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
flb. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
flb. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt., alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3 bbls., bgs., c.l., frt. alld. E. lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
4 bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., c.l., frt. alld. E..lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E..lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E..lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03075- —
f.o.b. North Atlantic ports, lb. .03950- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07025- —
dlvd..lb. .07025- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .02925- —
f.o.b. North Atlantic ports, lb. .0380- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .06525- —
dlvd..lb. .06525- —
bulk, cars, c.l., f.o.b. plants, lb. .02¾- —
f.o.b. New York harbor..lb. .0363- —
All carbon black prices are for delivery in July-September.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08¾- —
2, bbls., l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
1, ctns., c.l., 5, ctns., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Import, 1, bbls., c.l., f.o.b. N.Y..lb. .08 - —
l.c.l., f.o.b. N. Y.....lb. .09 - —
2 bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N.Y....lb. .13 - —
l.c.l., f.o.b. N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Lavine, A, bbls., works or N. Y., B, bbls., works or N. Y...lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .25 - .26
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - 23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
Blanc fixe, direct process, bgs., c.l., works, frt. equal..ton.70.00 - —
l.c.l., same basis....ton.75.00 -90.00
Blood, dried, pulp, 66⅔%, bbls., c.l., works, ton.85.00 - —
l.c.l., works.....ton.42.50 - —
Blood, leaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.25 - —
high-grade, gr., 16-17 ammon., bulk., f.o.b. Chi., unit-ton. 2.50 - —
import, bgs., c.i.f. ports, shipt., unit-ton. 2.40 - —
Blood, soluble (see Albumen, blood).
Bloodroot, bls.....lb. .11 - .13
Blue, alkali, toner, bbls., divd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner, contracts..lb. .88 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg., lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld.....lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .33 - —
open order.....lb. .34 - —
Potash, dom., bbls., same basis, alkali toner, contracts.lb. .42 - —
open order.....lb. .42 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .33 - —
open order.....lb. .34 - —
Soluble, bbls., same basis, alkali toner, contracts.lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kgs.....lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equal..lb. .22 - .24

Blue, ultramarine, jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .37
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue, ultramarine, blue dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c., higher; 100-lb. kgs., 1c. above bbls., 25-lb. boxes 5c. above bbls.
Blue dyes are listed under Dyes.
Blue mass, USP, cns.....lb. 1.57 - 1.69
powd., cns.....lb. 1.60 - 1.63
Bluestone (see Copper sulphate)
Blue vitriol (see Copper sulphate)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.30.00 -33.00
import, bgs., c.i.f. ports..ton.31.00 - —
Meal, steamed, dom., 2% ammon., 50% phos., bgs., f.o.b. Chicago..ton.29.00 -30.00
import, 100-lbs., bgs., c.i.f. ports, ship..ton.32.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.)
Steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.28.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.34.50 - —
Boneset leaves, bls.....lb. .08 - .09
Borage flowers, bls.....lb. .35 - .42
Borax, tech., 99½% gran., bulk, c.l., frt. all..ton.40.50 - —
bgs., c.l., frt. alld.....ton.42.00 - —
ton lots, ex whse...ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld. ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld..ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances fer works or warehouse pick-ups.
Borneol, bots.....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis.lb. .30 - —
Bromoform, USP., 100-lb. lots, bots..lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol, bots.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .12 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11¼- —
Metallic, iron oxide, bbls., wks., lb. .02¼- —
paper bags., c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12½- —
2, bbls., same basis...lb. .11¼- —
3, bbls., same basis...lb. .10¼- —
4, bbls., same basis...lb. .09 - —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08¼- —
7, bbls., same basis...lb. .08¼- —
8, bbls., same basis...lb. .08 - —
9, bbls., same basis...lb. .07¼- —
10, bbls., same basis...lb. .07½- —
11, bbls., same basis...lb. .07 - —
12, bbls., same basis...lb. .06½- —
13, bbls., same basis...lb. .06¼- —
14, bbls., same basis...lb. .05¾- —
raw, American, bbls., f.o.b. works..lb. .02¾- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .12¾- —
2 bbls., same basis...lb. .11¼- —
3, bbls., same basis...lb. .12¾- —
4, bbls., same basis...lb. .09¼- —
5, bbls., same basis...lb. .09¼- —
6, bbls., same basis...lb. .08¾- —
7, bbls., same basis...lb. .09 - —
8, bbls., same basis...lb. .07½- —
9, bbls., same basis...lb. .07 - —
10, bbls., same basis...lb. .06¼- —
11, bbls., same basis...lb. .05¼- —
Umber, American, bbls., works, lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .04¼- —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .05 - —
ex whse., Los Angeles, Portland, San Francisco, Seattle..lb. .05½- —
Boston .....lb. .04¼- —
Chicago, Indianapolis, New Orleans..lb. .05 - —
Kansas City.....lb. .05½- —
Portland, San Francisco, Seattle..lb. .04½- —
Minneapolis .....lb. .0510- —
Pittsburgh .....lb. .04¾- —
Vandyke, bbls., l.c.l.....lb. No prices
Walnut crystals, bbls.....lb. .06½- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .62 - .65
Buckthorn bark, true, bls.....lb. .45 - .50
cut and sifted, bbls.....lb. No prices
Berries, bgs.....lb. .28 - .30
Burdock root, bls.....lb. .19 - .24
Burgundy pitch, dom., dms....lb. .05½- .06
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks. lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
tanks, frt. alld.....lb. .08 - —
tankwagons, frt. alld....lb. .08½- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .07½- —
dms., l.c.l., same terms.lb. .08 - —
tanks, same terms.....lb. .08½- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17¼
tanks, works.....lb. .14½- —
Carbitol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —

Butyl, crotonate, normal, 55-gal. dms., dlvd..lb. .35 - —
5-gal. cns.....lb. .75 - —
1-gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .28½- —
Butyric ether, bots.....gal. 6.60 - 6.95
cns, works.....lb. .65 - .70
dms., frt. alld. Met. N. Y...lb. .60 - —
Butane, coml., 16-34°, tanks, group 3..gal. .02½- .03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
Cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. ckg., dlvd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.19 - —
25-lb. cns.....lb. 4.05 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .85 - —
ingots or sticks.....lb. .80 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100 lb. dms..lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lb. cns.....lb. 2.70 - —
1,000 lbs. or more, 100 lb. dms..lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. dms.....lb. 2.75 - —
100 lbs. or more, 100 lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10 lb. cns..lb. 3.15 - —
5 lb. cns.....lb. 3.10 - 3.25
Citrated, cans.....lb. 2.00 - 2.30
Hydrobromide, bots.....lb. 5.21 - 5.29
Calabar beans, bgs.....lb. .25 - .30
Calamus root, peeled, N. F., cs., lb. .40 - .45
bleached, bls.....lb. 1.00 - 1.25
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l.....lb. .06½- —
l.c.l. .....lb. .06¾- —
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd.100 lbs. 4.75 - —
l.c.l., f.o.b. wareheuse..... 100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dms., 77-88%, dms., c.l., dlvd..lb.20.50 -35.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.53 - 2.25
Gluconate, USP, gran., powd., 150-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, flb., dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .23 - —
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports..ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f., Atlantic ports, shipt...unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton, lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20½- —
l.c.l., 1 ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 200 lbs. lb. .47 - .48
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .60 - .72
Calomel, bbls., flb., dms., kgs., 50 lbs. or more..lb. 2.95 - —
Camphor, natural, powd., cs..lb. .83 - .84
slabs, cs.....lb. .83 - .84
tablets, tins.....lb. .87 - .88
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs..lb. .0330- .0360
Morocco, bgs.....lb. .0360-.0380
Turkish, bgs.....lb. .0330-.0360
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 2.25 - 2.30
powd., bxs.....lb. 2.50 - 2.55
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs....lb. .19½- .20
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., frt., alld..lb. .22½- —
l.c.l., frt. alld.....lb. .23½- —
tanks, frt., alld.....lb. .21½- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis. lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½

Bismuth Subsal.—Charcoal

Carbon, Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .66½- —
l.c.l., frt. alld.....gal. .78 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l..gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.
Cardamom, bleached, cs.....lb. 1.10 - 1.60
decorticated, cs.....lb. .84 - .85
green, bgs.....lb. .65 - .66
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .14 - .16
Case - hardening mixture, 30%- lump, dms., l.c.l..lb. 09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .13½- .14½
5 tons, works.....lb. .14 - .15
smaller lots, works....lb. .14½- .15½
80-100 mesh, bgs., c.l.....lb. .14 - .15
5 tons, works.....lb. .14½- .15½
smaller lots, works....lb. .15 - .16
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .11½- .12½
80-100 mesh, bgs., c.l., duty paid..lb. .12 - .13
French, 30 mesh, bgs., c.l., duty paid..lb. .15 Nom.
New Zealand, 20-30 mesh, c.l., bgs., duty paid..lb. .15 Nom.
Cassia, Batavia, No. 1, thin quill, bls..lb. .18½- .19
No. 1, regular, bls.....lb. .16¼- .16¾
shortstick, bls. .....lb. .13 - .13½
broken, bls.....lb. .11½- 11¾
China, rolls, select, bls.....lb. .09¾- .10
broken, extra, bls.....lb. .09¼- .09¾
Saigon, bls.....lb. .15 - .16
Cassia buds, cs.....lb. .13¼- .13½
Cassia fistula, bskts.....lb. .16 - .18
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't., c&f, N.Y..ton.48.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.15.00 - —
import, bgs., c.i.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .40 - .42
Indian, bgs.....lb. .16½- .17
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
Acetate-propionate, high 20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt.alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld.lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
Triacetate, flake, frt. alld....lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .70 - .75
Roman, bls.....lb. 1.25 - 1.30
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.32.40 - —
Colo. .....ton.29.00 - —
Conn., Me., Mass., N. H., R. I., Vt., ton.32.80 - —
grd., bgs., c.l., dlvd., Ill., (except river point), Minn., Neb., Wis. ton.27.00 - —
Indiana .....ton.28.00 - —
Ill. (river points), Mo., Okla., Tex. (except El Paso), Ia.....ton.25.00 - —
Kansas, El Paso, Tex. ton.26.00 - —
Michigan .....ton.29.80 - —
Ohio .....ton.29.80 - —
Penn. .....ton.31.80 - —
Utah .....ton.36.00 - —
Willow, powd., bbls.....lb. .08 - .07

Chestnut Extract—Dyes

Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02½- —
l.c.l., bbls., works.....lb. .02¾- —
tanks, works.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.66 - —
200 mesh, bgs., c.l., works, ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.26.00 Nom.
powd., cks., l.c.l., ex dock, ton.39.00 Nom.
ex whse.....ton.42.00 Nom.
Chloral hydrate, bots., 1,000 lbs., lb. .93 - 1.02
500 lbs.....lb. .96 - 1.03
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, standard, c.l., ctns., works..lb. .32 - —
100 lbs., ctns.....lb. .35 - —
smaller lots.....lb. .38 - —
Chlorine, liq., cyls., c.l., divd., N. Y..lb. .05¼- —
contracts, divd., N. Y..lb. .05¼- —
l.c.l., divd., N. Y.....lb. .07¼- —
tanks, single unit, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt. equald..100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.15 - —
1, works, frt. equald., 100 lbs. 2.60 - —
Chloracetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, com'l, 180-lb. cyls., works..lb. .80 - —
100-lb. cyls., works.....lb. .85 - —
5-25-lb. cyls., works.....lb. 1.00 - 1.15
Chrome acetate, powd., 24%, bbls., divd..lb. .13½- —
solut., 8½%, cs., bbls.....lb. .05¾- —
Cake, bulk, c.l., works.....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs. lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .75 - .80
20 in., thick, cs.....lb. .75 - .80
20 in., medium, cs.....lb. .75 - .80
USP, broken quill, red, bgs., lb. .23 - .25
yellow, bgs.....lb. .23 - .25
Cinchonidine, crys., small cns., 100 ozs..oz. .86 - —
large, cns.....100 ozs..oz. .90 - —
powd., cns.....100 ozs..oz. .83 - —
Sulphate, N.F., cns.100 ozs..oz. .50 - —

Cinchonidine buyers must pay a surcharge of 4c. per oz., to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, crys., small, cns., 100 ozs..oz. .58 - —
large, cns.....100 ozs..oz. .62 - —
powd., cns.....100 ozs..oz. .54 - —
Sulphate, N.F., cns.100 ozs..oz. .38 - —

Cinchonine buyers must pay a surcharge of 4c. per oz., to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb. 3.40 - —
1 and 5-lb. bots.....lb. 3.50 - 3.55
100 lbs., dms.....lb. 3.30 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2 bls.....lb. .18 - .18½
3 bls.....lb. .17 - .17½
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine ointment, jars.....lb. .93 - .97
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.60 - 1.85
Clove, Amboyna, bgs.....lb. .24 - .24½
Madagascar, bls.....lb. .15¾- .16¼
Zanzibar, bls.....lb. .15¾- .16¼
Clover tops, red, bgs.....lb. .40 - .45
dom., bgs.....lb. .35 - .40
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07¼- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08¼- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dk. lb. .80¼- —
Carbonate, powd., bgs., works, lb. 1.68 - —
Chloride, kgs., works.....lb. .85 - —
Hydrate, bbls.....lb. 1.98 - —
Linoleate, paste, 8%, dms....lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½- —
1 %, bbls.....lb. .13 - —
2 %, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., divd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .88
Teneriffe, silver, bgs.....lb. .38 - .90
Cocoa butter, bulk, c.l., bgs...lb. .1065- .1075
Cocillana bark, bgs.....lb. .30 - .31
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 oz.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., cns.....oz.20.00 -25.00
Colchicum seed, bgs.....lb. 1.05 Nom.
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
flexible, USP, dms., 325 lbs..lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .55 - .56
Colombo root, bls.....lb. .15 - .16
Coltsfoot leaves, bgs.....lb. .25 - .27
Condurango bark, bgs.....lb. .12 - .13
Conium leaves, bls.....lb. .30 - .32
Copaiba balsam, Para, cns.....lb. .36 - .38
S.A., USP, cns.....lb. .36 - .37
Copper acetate, normal, bbls., divd..lb. .22 - —
smaller containers, divd..lb. .24 - —
Carbonate, 52-54%, bbls.....lb. .1610- —
Chloride, cryst., bbls.....lb. .16 - —
Cyanide, tech., bbls.....lb. .34 Nom.
Iodide, bots.....lb. 5.15 - 5.19
Metal electrolytic.....lb. .10½- .11½
Nitrate, cryst., bbls.....lb. .16¼- —
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, 79-80%, bbls., tons, works..lb. .18 - —
Red, com'l., 80-88%, kgs., f.o.b. N.Y..lb. .19½- —
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .23½- .24½
Sulphate, 99% cryst., bbls., c.l., f.o.b. works..100 lbs. 4.60 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.75 - —
6-13 bbls., same basis, 100 lbs. 4.95 - —
1-5 bbls., same basis, 100 lbs. 5.20 - —
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 9.15 - 9.35
l.c.l., dealers.....100 lbs.10.15 -10.35
Copperas, cryst., gran., bgs., c.l., works..ton.18.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
5-24, works.....100 lbs. 1.65 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, shipt.....lb. .0150 Nom.
Coriander seed, Morocco, bgs..lb. .05 - .05½
bleached, bgs.....lb. .08 - .08¼
Corn sugar, tanner's, chipped, bgs., c.l., dlvd..100 lbs. 3.39 - —
slabs, bbls., c.l.....100 lbs. 3.31 - —
solid, bbls., c.l.....100 lbs. 3.43 - —
Syrup, 42°, bbls., c.l..100 lbs. 3.42 - —
43°, bbls., c.l.....100 lbs. 3.47 - —
Cornsilk, bls.....lb. .15 - .16
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.39 - —
gran., powd., dms., 50 lbs. or more..lb. 2.24 - —
Cottonroot bark, bls.....lb. .11 - .12
Cottonseed, hull ash, 32-36% pot-ash, bgs., dlvd., unit-ton. 1.10 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls.....lb. .23 - .24
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .16 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .34¼- —
smaller lots, bbls.....lb. .34¾- —
kgs.....lb. .35¼- —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Oil, crude, tanks, works...gal. .13½- .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works..gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works.lb. .09¾- —
l.c.l., same basis.....lb. .10¼- —
special resin grade, dms., c.l., works..lb. .08¾- —
l.c.l., same basis.....lb. .09¼- —
Crotonaldehyde, 97%, 55 and 110 gal. c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works..lb. .15 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .24 - .25
2,000 lbs. to 10,000 lbs..lb. .25 - .26
1,000 lbs. to 2,000 lbs..lb. .26 - .27
200 lbs. to 1,000 lbs.....lb. .27 - .28

4% rotenone prices are 4c. per lb. less.

Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Cubeb berries, XX, bgs.....lb. .42 - .44
powd., cs.....lb. .47 - .48
Culver's root, bls.....lb. .16 - .17
Cumin seed, Morocco, bgs.....lb. .19 - .19½
Cyprus, bgs.....lb. .16½- .17
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04½- —
Cyanamide, 22% N_2, pulv., bgs., dlvd., contracts, N...unit-ton. 1.40 - —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., works, frt. alld. E. of Rockies...lb. .25 - —
Cyclohexanol, 98-100%, dms., works, frt. alld. E. of Rockies...lb. .30 - —
Cyclohexanone, 98-100%, dms., works, frt. allwd E. of Rockies..lb. .40 - —

D

Damiana leaves, bls.....lb. .17 - .24
Dandelion root, German, bls...lb. .50 - .60
Deertongue leaves, bls.....lb. .14 - .15
Degras, common, dom., bbls...lb. .08 - .09½
neutral, dom., bbls.....lb. .13½- .16½
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y., frt. equal'd, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .28
2,000 lbs. to 10,000 lbs.....lb. .26 - .30
1,000 lbs. to 2,000 lbs.....lb. .28 - .32
200 lbs. to 1,000 lbs.....lb. .30 - .34

4% rotenone prices are 6c. per lb. less.

Derris root, powd., contracts give no protection against decline in price. Part deliveries against contracts are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Derris, extract, 25% rotenone, bulk, cns..lb. 4.00 - 5.00
15% rotenone, bulk, cns....lb. 2.25 - 3.25
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.05 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.15 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.80 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.00 - —
Dextrin, corn, white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.75 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.95 - —
Potato, import, bgs.....lb. .08½ Nom.
Diacetone (see under Alcohol).
Diacetyl, pots.....lb.10.00 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .80 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .48 - .50
tanks, works.....lb. .45 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., bgs., l.c.l., Pacific cst., works, ton.22.00 -35.00
l.c.l., ex whse.....ton.45.00 -50.00
import, bgs., c.l., c.l.f.....ton. No prices
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. .....lb. .51 - .53
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19½- —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23½- .25½
Sebacate, dms., works.....lb. .50 - —
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0221- —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylcarbonate, coml., dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbinol (see Carbinol).
Oxalate, dms., l.c.l., dlvd....lb. .27 - —
Phthalate, dms., c.l., frt. alld., lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .14½- —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works.lb. .22½- .24½
Monoethylether, dms., c.l., works, lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .35 - .40
Diglycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .13 - .13½
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17½- —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd..... .....lb. 1.05 - —
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls, 80° min., lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoluoiguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
dest., dist., dms.....gal. .45 - .48
tanks .....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Dimethylethyl carbinol (see Carbinol).
Doggrass root, cut, N. F., bls.lb. .35 - .40
Dogwood bark, Jamaica, bls., lb. .08 - .10
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, cs.....lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1 cns..lb.13.50 - —
FD&C blue, No. 2, cns.....lb.13.50 - —
FD&C green, No. 2, cns....lb.17.50 - —
FD&C green, No. 3, cns....lb.27.50 - —
Green, FD&C green, No. 1, cns. lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors) for drugs and cosmetics.
Black, D&C black, No. 1, lb. 8.35 - —
Blue, D&C blue, No. 6....lb.13.50 - —
Brown, D&C brown, No. 1, cns. lb.12.35 - —
Green, D&C green, No. 5, cns. lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Dyes, coaltar (certified colors) for drugs and cosmetics.
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4 cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.85 - —
D&C orange, No. 11, cns...lb.17.35 - —
Red, D&C red, No. 5.....lb. 8.00 - —
D&C, red, No. 17.....lb. 8.35 - —
D&C, red, No. 18.....lb.18.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns. lb. 8.35 - —
D&C yellow, No. 3, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb.10.35 - —
Dyes, coaltar (certified colors) for external use drugs and cosmetics:—
Blue, Ext.D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext.D&C, green, No. 1, cns..lb.12.35 - —
Red, Ext.D&C, red, No. 1, cns..lb.10.35 - —
Ext.D&C, red, No. 3.....lb.21.85 - —
Ext.D&C, red, No. 8.....lb. 7.85 - —
Ext.D&C, red, No. 10, cns.. lb.12.35 - —
Ext.D&C, red, No. 13, cns.. lb.12.35 - —
Yellow, Ext.D&C, yellow, No. 7, cns..lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
176 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
363 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
404 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p. e. paste.lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
865 Nigrosin derivatives...lb. .38 - .62
Blue:—
1075 Alizarin astrol base..lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
.... Orange, red shade....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —

Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
864 Nigrosin .....lb. .38 - .44
Blue:—
860 Indulin .....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —

Dyes, coaltar, for stains, spirit-soluble prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet base...lb. .85 - —

Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
961 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1189 Indigotin IA.....lb. .85 - —

Dyes, coaltar, water-soluble:—
Brown:—
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
331 Bismarck brown G....lb. .40 - .52
332 Bismarck Brown R....lb. .40 - .52
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crosein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S...lb. .58 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartarzin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .18
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .59 - .62
imported.....lb. .50 - .52
Elder flowers, bright, bls.....lb. .50 - .55
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .20 - .21
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.24.00 -28.00
Ephedra, bls.....lb. .12 - .13
Ephedrine, tins, 1,000 ozs.....oz. 1.00 - —
tins, 100 ozs.....oz. 1.10 - —
Hydrochloride, tins, 1,000-oz lots..oz. .80 - —
tins, 100-oz. lots.....oz. .90 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. .80 - —
tins, 100-oz. lots.....oz. .90 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, dom., bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 2.75 - 2.80
Eserine, bots.....oz.42.00 - —
Salicylate, bots.....oz.36.00 - —
Sulphate, bots.....oz.36.00 - —
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works....lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs.lb. .26 - —
lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .07 - —
l.c.l., frt. alld.....lb. .07½- —
tanks, frt. alld.....lb. .06 - —
95-98%, dms., c.l., frt. alld.lb. .07¼- —
l.c.l., frt. alld.....lb. .07¾- —
tanks, frt. alld.....lb. .06¼- —
N.F., 460-lb. dms.....lb. .09½- —
cns., 35 lbs.....lb. .14 - —
Acetoacetate, dms., c.l., wks.lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55-gal. dms., dlvd., lb. .35 - —
1-gal. cns.....lb. 1.00 - —
5 and 10-gal. dms., dlvd....lb. .75 - —
Formate, cns., dms.....lb. .25 - .26
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works.lb. .33½- —
5-gal. dms., works.....lb. .37½- .39½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 6.00 - —
5-lb. lots, cns.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
500 lbs. or more, frt. alld., lb. .47 - —
500 lbs. or more, frt. alld.lb. .48 - —
100 to 499 lbs., frt. alld..lb. .50 - —
smaller lots, works.....lb. .55 - —
Dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0595- —
West of Rockies, same basis..lb. .0644- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0694- —
West of Rockies, same basis..lb. .0743- —
Ethyleneglycol, dms., c.l.....lb. .14½- —
l.c.l. .....lb. .15½- .18½
tanks .....lb. .13½- —
Monobutylether, dms., c.l., works, lb. .16½- —
l.c.l., works.....lb. .17½- .20½
tanks, works.....lb. .15½- —
Monoethylether, dms., c.l., works, lb. .14½- —
l.c.l., works.....lb. .15½- .18½
tanks, works.....lb. .13½- —
Monoethylether, acetate, dms., c.l., works..lb. .11½- —
l.c.l., dms.....lb. .12½- .15½
tanks, works.....lb. .10½- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —

Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .80 - .85
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 1.75 - 2.00
Euphorbia, bls.....lb. .11 - .12

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons..ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
l.c.l., minimum 2 tons..ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N. C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons.ton.20.00 -22.00
Fennel seed, Indian, bgs.....lb. .13½- .14
French, bgs.....lb. .35 Nom.
German, large, bgs.....lb. .33 Nom
Roumanian, bgs.....lb. .13¾- .14¼
Fenugreek seed, bgs.....lb. .04 - .04½
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs., or over, works..lb. .13 - —
smaller lots, works...lb. .14 - —
light, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
water white, cs., 1,000 lbs. or over, works..lb. .15 - —
smaller lots, works....lb. .16 - —
Fir balsam, Canada, cns....gal.15.50 -16.00
Oregon, bbls.....gal. 1.10 - 1.15
Fish berries, bgs.....lb. .15 - .17
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 3.35 & .10
bgs., f.o.b. Balto...ton.58.00 - —
6-7% ammon., 3% phosphor, acid, bulk, So. Atlantic factories, contracts.....unit-ton. 3.00 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, Aug. shipt..ton.53.00 - —
spot..ton.53.00 - —
Flake white, dom., bbls.....lb. .08¾- —
kegs .....lb. .10¾- —
Fleaseed, French, black, bgs..lb. .30 - .35
Indian, blonde, bgs.....lb. .10 - .11
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton.32.60 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines..net ton.20.00 - —
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton.20.00 - —
imported, 85.5, duty paid, short ton.25.00 Nom.
Formaldehyde, bbls., c.l., works, lb. .0550- —
l.c.l., works.....lb. .06 - —
dms., c.l., works.....lb. .0515- —
l.c.l., works.....lb. .0565- —
tanks, works.....lb. .04 - —
Fringetree bark, bls.....lb. .14 - .15
Fullers earth, dom., bgs., c.l., f.o.b Fla., Ga. mines..ton.15.00 - —
import., bgs., c.l., ex dock..ton. No prices
l.c.l., ex whse.....ton. No prices

Dyes—Gasoline

Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .16 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl. dlvd., lb. .16 - .17½
Fustic extract, cryst., bbls....lb. .24 - .28
liquid, bbls.....lb. .10½- .14
solid, dms.....lb. .19 - .21

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .13
Gaa bier, common, cases.....lb. .07 Nom.
plantation, cases.....lb. .10-.10½ Nom.
Cubes, Singapore, cases.lb. .10-.10½ Nom.
extract, bbls.....lb. .09½- .12
Gasoline, at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .06- .06½
65 octane and above, tanks, gal.. .06¾- .07½
California, 54-58, tanks...gal. .05 - .06½
Gulf Coast, U. S. Motor, bulk, gal. .05¼- —
60-62, 390 e.p., bulk, export, gal. .05¼- —
63-67, 375 e.p., bulk, export, gal. .05½- —
70-72, 400 e.p., bulk, export, gal. .06 - —

STAUFFER
CHEMICALS
LIQUID CHLORINE
Stauffer offers a dependable supply of Liquid Chlorine to large tonnage users. Available in 16 or 30-ton tank cars, Stauffer Liquid Chlorine is of unquestioned quality and reflects the experience and specialized knowledge of Stauffer's technical staff.
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BORIC ACID : CARBON TETRACHLORIDE : BORAX : TITANIUM TETRACHLORIDE : SULPHUR CHLORIDE : SILICON TETRACHLORIDE : CREAM OF TARTAR : SULPHURIC ACID : SULPHUR : TARTARIC ACID WHITING : TEXTILE STRIPPER : CAUSTIC SODA CARBON BISULPHIDE
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Stauffer Chemical Co.
420 LEXINGTON AVE., NEW YORK, N. Y.
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624 CALIFORNIA ST., SAN FRANCISCO, CAL.
555 SO. FLOWER ST., LOS ANGELES, CAL.
424 OHIO BUILDING, AKRON, OHIO
FREEPORT, TEXAS APOPKA, FLORIDA

Gasoline—Isopentane

Gasoline, at refinery, Louisiana-Arkansas, US motor, 62 octans, tanks..gal. .04⅜- .04¼
63-66 octane, tanks....gal. .04⅜- .04½
67-69 octane, tanks....gal. .04⅜- .04⅝
70-72 octane, tanks....gal. .05 - .05¼
Oklahoma-Texas, Us motor, 62 octane and below, tanks..gal. .03¼- .04
third grade, tanks.....gal. .03½- .04
63-66 octane, tanks....gal. .03⅝- .04
67-69 octane, tanks....gal. .04 - .04¼
70-72 octane, tanks....gal. .04¼- .04⅜
natural, 12-lb. v.p., tanks. gal. .01¼- .01⅜
14-lb. v.p. tanks.....gal. .01⅜- .01½
18-lb. v.p., tanks.....gal. .01½- .01⅝
22-lb. v.p., tanks.....gal. .02 - —
26-70-lb. v.p., tanks...gal. .01¼- .01½
below 60 octane, tanks.gal. .02 - —
65 octane, tanks.....gal. .04 - —
52-54 450 e.p., naphtha, tanks..gal. .03 - —
gal. .01¼- .01⅜
14-lb. v.p. tanks.....gal. .01¼- .01½
Gelatine, silver, cs.....lb. .42 - .43
Geisemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .18 - .20
grd., bbls., bxs.....lb. .23 - .25
powd., bbls., bxs.....lb. .24 - .26
Geraniol, cns., dms.....lb. .60 - 2.00
Ginger root, African, bgs.....lb. .06¾- .07½
Cochin, lemon, bgs.....lb. .10¾- .11
Jamaica, bold, bgs.....lb. .10 - .10½
medium, bgs.....lb. .09½- .10
grinding, bright, bgs.....lb. .09¼- .09⅝
Japanese, bgs.....lb. .08 - .08¼
Ginseng root, wild Southern, cs., lb.12.60 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.18
5 tons or over, works....100 lbs. 1.05 - 1.25
less than 5 tons, woks. 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .13½- —
l.c.l., dlvd.....lb. .14 - —
36/58, bgs., c.l., dlvd....lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
28/82, bgs., c.l., dlvd....lb. .14½- —
l.c.l., dlvd.....lb. .15 - —
82/108, bgs., c.l., dlvd....lb. .15 - —
l.c.l., dlvd.....lb. .15½- —
58 millipoise, 135 jellygrams, bgs., c.l., dlvd., East, Middlewest..lb. .15 - —
l.c.l., same basis.....lb. .15½- —
60/164, bgs., c.l., same basis, lb. .16½- —
l.c.l., same basis.....lb. .17 - —
l.c.l., same basis.....lb. .18 - —
hide, calcimine type, 75/222, bgs., c.l., same basis..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
88/251, bgs., c.l., same basis, lb. .19½- —
l.c.l., same basis.....lb. .20½- —
92/283, bgs., c.l., same basis..lb. .20½- —
l.c.l., same basis.....lb. .21½- —
102/315, bgs., c.l., same basis..lb. .21 - —
l.c.l., same basis.....lb. .22 - —
118/347, bgs., c.l., same basis..lb. .22 - —
125/379, bgs., c.l., same basis, lb. .23 - —
l.c.l., same basis.....lb. .24 - —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, CP, cns., l.c.l.....lb. .14½- .15
dms., c.l., dlvd.....lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .12¼- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., dlvd.lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .11¾- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd.lb. .13 Nom.
l.c.l., same basis....lb. .14 Nom.
tanks .....lb. .12 Nom.
for refiners, dms., returnable, tanks, dlvd..lb. .08¾- .09
soaplye, basis 80%, dms., tanks, returnable, dlvd..lb. .07¾- .08¼
Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price.....oz.35.00 - —
Chloride, acid brown, bots...oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure, seed, bgs....lb. .14¼- .14¾
Goldenseal, root, bls.....lb. 3.25 - 3.30
powd., bxs.....lb. 3.60 - 3.65
Grains of paradise, bgs.....lb. .45 - .50
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon., bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06½- —
l.c.l., works.....lb. .06½- —
amorph., powd., 90%, 325 mesh, 65% graphitic carbon, bgs., c.l., works..lb. .02½- —
bbls., c.l., works....lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04¼- —
Grease, house, loose.....lb. .03½ Nom.
white .....lb. .03⅞ Nom.
Yellow .....lb. .03½ Nom.
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. 23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24¼- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
Green, chrome, prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1¼c.). Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9 10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07¼- —
14-16%, bbls., same basis, lb. .07¼- —
14-16%, bbls., same basis.lb. .07½- —
Green, crome, reduced, c.p. color content, 17-19%, bbls., same basis..lb. .07¾- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼- —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¾- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .23
Tetrahydroxide, bbls.....lb. .38 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 2.50 - —
emerald, kgs.....lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .80 - .85
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms.....lb. 1.65 - 1.67
Carbonate, dib., dms., 25 lbs..lb. 2.40 - 2.74
Guarana powd., cs.....lb. 1.20 - 1.35
Gum, aloe (see A).
Ammoniac, tears, cs.....lb. .85 - .90
Arabic, amber, sorts, cleaned, bgs..lb. .14 - .15
white, sorts, 1, bgs.....lb. .35 - .36
powd., bbls.....lb. .18 - .20
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.40 - 1.60
Sumatra, cs.....lb. .18 - .20
Camphor (see C).
Chicle, prime, 13% moisture, bgs., ton lots..lb. .34 - .35
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
Copal, Congo, 1, water white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22¾- —
6, pale amber bold, bgs., c.l., same basis..lb. .21¼- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13¾- —
10, rescraped hard amber, bold, bgs., c.l., same basis..lb. .13⅝- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .12¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11⅞- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23⅝- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .18⅝- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19¼- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18⅝- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12¾- —
22, small mixed nubs, bgs., c.l., same basis..lb. .10¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11⅞- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¾- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis..lb. .09½- —
26, pale small nubs, c.l., same basis..lb. .10¾- —
27, pale small nubs, bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, bold, scraped, bgs., c.l., same basis..lb. .07¼- —
unscraped, bgs., c.l., same basis..lb. .06¼- —
chips, bgs., c.l., same basis..lb. .05½- —
dust, bgs., c.l., same basis..lb. .05¼- —
nubs and chips, bgs., c.l., same basis..lb. .05½- —
black, bold, scraped, bgs., c.l., same basis..lb. .09¼- —
unscraped, bgs., c.l., same basis..lb. .06¼- —
nubs and chips, bgs., c.l., same basis..lb. .06½- —
Hiroe, Macassar, pale bold, bgs., c.l., same basis..lb. .13⅝- —
chips, bgs., c.l., same basis, lb. .07½- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .13⅞- —
light, bskts., c.l., same basis..lb. .15⅝- —
Loba A, bskts., c.l., same basis..lb. .14¼- —
B, bskts., c.l., same basis, lb. .13⅜- —
C, bskts., c.l., same basis.lb. .13½- —
CNE, bskts., c.l., same basis..lb. .10¼- —
D, bskts., c.l., same basis, lb. .12⅞- —
DK, bskts., c.l., same basis, lb. .09⅝- —
dust, bskts., c.l., same basis..lb . .06⅞- —
Gum, copal, Manila, Sambas and white split chips, bskts., c.l., same basis..lb. .15⅝- —
Singapore, dust., bskts., c.l., same basis..lb. .06⅞- —
spirit-soluble, CBB, bskts., basis..lb. .12½- —
DBB, bskts., c.l., same basis. lb. .12½- —
MA, bskts., c.l., same basis. lb. .09 - —
MB, bskts., c.l., same basis. lb. .08½- —
WS, bskts., c.l., same basis. lb. .12¼- —
A/D, cs., c.l., same basis..lb. .13⅞- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .09⅜- —
chips, pale, bskts., c.l., same basis..lb. .13 - —
pale, small, bskts., c.l., same basis..lb. .11½- —
extra pale sorts, bskts., c.l., same basis..lb. .12½- —
nubs, bskts., c.l., same basis ..lb. .14¼- —
pale, scraped, bskts., c.l., same basis..lb. .15⅝- —
seeds and dust, bskts., c.l., same basis..lb. .08¾- —
Pontianak, bold, genuine, bgs., same basis..lb. .15⅞- —
mixed, bgs., c.l., same basis. lb. .14¾- —
split, bgs., c.l., same basis. lb. .13¾- —
Chips, bgs., c.l., same basis.lb. .10 - —
nubs, bgs., c.l., same basis. lb. .12¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21⅝- —
A/C, cs., c.l., same basis...lb. .15⅝- —
A/E, cs., c.l., same basis..lb. .12⅜- —
B, cs., c.l., same basis.....lb. .20¼- —
C, cs., c.l., same basis.....lb. .14⅝- —
D, cs., c.l., same basis.....lb. .12¼- —
dust, cs., c.l., same basis..lb. .07⅛- —
E, cs., c.l., same basis.....lb. .10 - —
F, cs., c.l., same basis.....lb. .08 - —
Singapore, 1, cs., c.l., same basis..lb. .16⅝- —
2, cs., c.l., same basis....lb. .12¼- —
3, cs., c.l., same basis....lb. .07½- —
chips, cs., c.l., same basis..lb. .11 - —
dust, cs., c.l., same basis.lb. .07¼- —
seeds, cs., c.l., same basis.lb. .09⅝- —
Elemi, cns., c.l., same basis as copal..lb. .10½- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del. and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs.....lb. .06¼- .06⅝
less than 10,000 lbs., same basis..lb. .06½- .07
dlvd., Western N.Y. and Pa., Ohio, Mich., In.,.., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N.C., 75,000 lbs., contrs. or straight c.l. lb. .06¾- .07
dlvd. elsewhere, 75,000 lbs., contrs. or straight, c.l..lb. .07 - .07¼
l.c.l., same basis.....lb. .07¼- .07⅝
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.50 - 1.60
Gamboge, pipe, cs.....lb. .75 - .80
powd., bbls.....lb. .80 - .85
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.l.lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, c.s., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis...lb. .41 - —
2, cs., c.l., same basis...lb. .24 - —
3, cs., c.l., same basis...lb. .17¾- —
Kino, tins.....lb. 4.00 - 4.50
Locust bean, powd., bbls.....lb Nominal
Mastic, cs., c.l., same basis as copal..lb. 1.15 Nom.
Myrrh, USP, cs.....lb. .55 - .60
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb. .20 - .35
Opium (see O).
Rosin (see R).
Sandarac, cks., c.l., same basis as copal..lb. .40 - .45
Scammony, cs.....lb. 1.10 - 1.15
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.15.00 -15.25
Tragacanth, Aleppo, 1, cs...lb. 3.50 - 3.75
2 cs.....lb. 3.35 - 3.60
3 cs.....lb. 2.90 - 3.10
Yacca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
bgs., c.l., f.o.b. New Brighton, N. Y., frt. equald..ton.27.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
plaster of Paris, paper bgs., c..., f.o.b. Blue Rapids, Kans., frt equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
f.o.b. Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
stucco, paper bags, c.l., f.o.b. Acme Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.....ton. 8.00 - —
Gypsum, terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald.....ton.12.00 - —
import, bgs., ex dock.....ton.28.00 Nom

H

Hawthorn berries, bgs.....lb. .26 - .28
Heliotropin, cryst., cns.....lb. 3.00 - 3.20
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .55 - .60
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03¼- —
l.c.l., bbls., works.....lb. .03⅜- —
tanks, works.....lb. .02¾- —
Hempseed, Manchur, bgs.....lb. .07 - .07½
Henbane leaves, bls.....lb. .70 - .85
Henna leaves, bls.....lb. .14 - .15
powd., bbls., bxs.....lb. .20 - .21
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
Normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexaldehyde, normal, dms., l.c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N. Y. C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, 60-70°C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Homatropine hydrobromide, bots., 25 ozs..oz.13.00 -13.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.25 - 2.40
Hops, N. F., bls.....lb. .20 - .21
Horehound, bls.....lb. .12 - .13
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, bots., 4 ozs..oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.21.75 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. River..lb. .20 - —
Hydroquinone, dealers, bbls., dms., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.50.00 -60.00
Hydrochlorde, bots.....oz.50.00 -60.00
Hyoscyamine, 5 gr., bots.....bot. .60 - —
Hydrobromide, 5 gr., bots..bot. .60 - —
Sulphate, 5 gr., bots.....bot. .60 - —
Hypernic, ext. liquid, 50°, bbls., lb. .14 - —

I

Iceland moss, bls.....lb. .18 - .20
Ichthyol, oots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse., Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 2.25 - —
jars, 50 lbs.....lb. 2.15 - —
tincture, USP, bbls., 47 gals.gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.50 - 2.55
alpha, extra, bots.....lb. 4.00 - 4.05
alpha beta, bots.....lb. 2.25 - 2.30
beta, bots.....lb. 4.10 - 4.15
Ipecac root, bgs.....lb. 1.45 - 1.50
powd., bxs.....lb. 1.55 - 1.60
Irish moss, ordinary, bls.....lb. .15 - .16
powd., 80-90 mesh, bbls..lb. .30 - .32
prime, bleached, bls.....lb. .30 - .32
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd.....lb. .03 - —
l.c.l., dlvd.....lyb. .04 - —
Chloride (ferric), tech., anhydr., 390-lbs. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....oz. .08½- —
solut., cbys., works, frt. alld. or equald..lb. .06½- .07
djns. .....lb. .07½- —
USP VIII, pearls.....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, djns.....lb. .39 - —
bots. .....lb. .53 - —
Nitrate, coml., kgs.....oz.02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-lb. kgs.....lb. .37 - —
Iron, pyrophosphate, pearls, cns., lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs....lb. .30 - —
fib. dms.....lb. .23½- —
kgs. .....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs. .....lb. .25½- —
Isobutylacetate, 55 - gal. dms., works..lb. .069 - —
tanks, works.....lb. .059 - —
propionate, dms., works.....lb. .09 - —
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —

Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .10½- —
55 gals., c.l., E. of Rockies, frt. alld..lb. .07 - —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .07½- —
tanks, E. of Rockies, frt. alld..lb. .06 - —
Alcohol (see Alcohol).
Ether, dms., 5 gal., alld....gal. .55 - —
55 gal., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gal., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .33 - .38
powd., bbls., bxs.....lb. .36 - .41
resin, lump, 100-lb. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, ordinary, bgs., lb. .27 - .27
hand picked, bgs.....lb. .24 - .36

K

Kamala, tins.....lb. .35 - .36
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0590- .06½
Gulf ports, p.w., bulk....gal. .07⅜- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .03⅞- —
Oklahoma-Texas, 41-43 w.w., tanks..gal. .03¾- .04
42-44 w.w., tanks.....gal. .03⅞- .04⅛
Pennsylvania, 45 w.w., tanks, gal. .05 - .05¼
46 w.w., tanks.....gal. .05⅛- .05¼
47 w.w., tanks.....gal. .05¼- .05⅜
Kerosene, tankwagon:—
Atlanta .....gal. .10 - —
Boston .....gal. .0830- —
Chicago .....gal. .10 - —
Cincinnati .....gal. .12 - —
Denver .....gal. .10½- —
Louisville .....gal. .09 - —
Minneapolis .....gal. .1040- —
New Orleans.....gal. .11 - —
New York.....gal. .0820- —
San Francisco.....gal. .11½- —
Kerosene distillate (see Oil, furnace).
Kieserite, cal., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .12 - .18

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 5.75 - 5.85
Middlewestern, trcs....100 lbs. 6.15 - 6.25
Neutral, trcs.....100 lbs. 7.25 - 7.50
Western, choice, trcs..100 lbs. 6.25 - 6.35
Compound, trcs.....100 lbs. 9.00 - 9.25
Larkspur seed, bgs.....lb. 1.80 Nom.
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .09 Nom.
Turkish, bls.....lb. .09½- .10
Lavender flowers, ordinary, bls.lb. .45 - .50
medium, bls.....lb. .50 - .55
select, bls.....lb. .60 - .65
Lead acetate, white, broken, bbls., lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l.....lb. .08½- —
l.c.l., bgs.....lb. .09 - —
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., divd. E..lb. .06¼- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06¼- —
l.c.l., dlvd. E.....lb. .06½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs.....lb. .49 - —
Iodide, NF V, powd., 5-lb. bots., lb. 2.60 - —
jars .....lb. 2.55 - —
Linoleate, pale, precip., dms.lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .07¾- —
other points.....lb. .0740- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .08¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. .....lb. .08¾- —
Colo., Mont., N. Mex., Wyo..lb. .08½- —
other points.....lb. .08 - —
Lead, red, dry, 95% or less, Pb_3O_4, smaller lots, Ala., etc., Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .0765- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
other points.....lb. .08¼- —
smaller lots, dlvd., Ala.. etc..lb. .09 - —
Ariz., etc.....lb. .09½- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .08½- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Co'o., etc.....lb. .09 - —
other points.....lb. .08½- —
l.c.l., smaller lots, dlvd., Ala., etc..lb. .09½- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09⅝- —
other points.....lb. .09¼- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused 15%, bbls....lb. .09½- —
pale, bbls.....lb. .11½- —
precip., bbls.....lb. .16½- —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bbls., c.l., (20 tons), works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10½- —
Pac. Ct., ex whse...lb. .10¾- —
smaller lots, E. frt. alld., lb. .10½- —
Pac. Ct., ex whse...lb. .10½- —
White, dry, basic, carbonate, bbls., c.l., dlvd., Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¼- —
other points.....lb. .07 - —
l.c.l., dlvd., Ariz., etc.lb. .07¼- —
other points.....lb. .07¼- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06½- —
other points.....lb. .06¾- —
l.c.l., dlvd., Ariz., etc. lb. .06¾- —
other points.....lb. .06½- —
in oil, 100-lb. kgs., consumers, lb. .12¾- —
dealers .....lb. .10¾- —
painters .....lb. .11¾- —
Consumers' price and painters' price are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b., N.Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70

Isophrone—Lime

Lecithin, purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis...lb. .40 - —
Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms., prices are 1c. per lb. less.
Lemon peel, bls.....lb. .13 - .15
Licorice extract, mass, cs.....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .09 - .10
powd., bbls., bxs.....lb. .11 - .12
select, bdls., cs.....lb. .30 - .33
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa.....ton. 8.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bags, f.o.b. Bellefonte, Pa..ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa.....ton. 8.50 - —
Crab Orchard, Tenn..ton. 9.00 - —
Eagle Mountain, Va..ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D.....ton.12.00 - —

We've Moved Upstairs

Due to increased business we have moved into larger quarters on the 16th floor. The telephone number—MU 6-1990—and the street address —441 Lexington Avenue, remain the same.

NEUBERG CHEMICAL CORPORATION

441 LEXINGTON AVENUE, NEW YORK CITY • TELEPHONE MURRAY HILL 6-1990

"Two cans may look alike as two peas in a pod. But sometimes they're not. I found that out in working with the engineering and research personnel of American Can. Those people have saved me a lot of mistakes on our packaging problems. Believe me, I'm mighty glad we've got an outfit like this to shoulder such responsibility. And besides *that*, American Can helps us keep down our container inventory. They're a big company and always ready to ship containers *when* and *where* we need them. You *bet* there's a difference in cans . . . just as big as the difference in the companies that make them."

CANCO

AMERICAN CAN COMPANY, 230 PARK AVENUE, NEW YORK, N. Y.
104 SO. MICHIGAN AVE., CHICAGO • 111 SUTTER ST., SAN FRANCISCO

Lime, hydrated, Rippleme ad, Va. ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bags, f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio.....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08¼- .09½
dms., same basis.....lb. .12 - —
solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks. gal. .08½- —
30-50 dms.....gal. .11 - .16
Zone 3, tanks, dealers, dlvd. gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal..gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10½- —
dms. .....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States, Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minns., Mo., and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 2.10 - 3.30
Linalyl acetate, cns.....lb. 1.75 - 3.00
Linden flowers, with leaves, bls.lb. .45 - .46
without leaves, bls.....lb. .40 - .48
Linseed cake, bgs, export....ton.21.00 -22.00
meal, 34%, bgs.....ton.24.50 - —
Litharge, com'l, powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .06¾- —
Other points.....lb. .0640- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .07¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., and Wash..lb. .07¾- —
Colo., Mont., N. Mex., Wyo..lb. .07½- —
Other points.....lb. .07 - —
smaller lots, dlvd., Ala..lb. .07¾- —
Ariz., etc.....lb. .08¼- —
Colo., etc.....lb. .08 - —
Other points.....lb. .07½- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Lithopone, titanated (high-strength), bgs., c.l., (20 tons)..lb. .05 - —
smaller lots.....lb. .05¼ - —
bbls., c.l. (20 tons).....lb. .05¼- —
smaller lots.....lb. .05½- —
ordinary, bgs., c.l. (20 tons)..lb. .0360- —
smaller lots.....lb. .0385- —
bbls., c.l. (20 tons).....lb. .0385- —
smaller lots.....lb. .04¼- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort leaves, bls.....lb. .50 - .51
Lobelia, herb, bls.....lb. .13 - .14
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10½- .12½
solid, bxs.....lb. .16½- .20½
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N. F., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.75 - 5.00

M

Mace, Banda, cs.....lb. .55½- .56
Batavia, cs.....lb. .30½- .31
Siauw, cs.....lb. .37½- .40
West Indian, cs.....lb. .34 - .41
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., U.S.P., bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06½- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls. .....lb. .08½- —
kgs. .....lb. .09¼- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09½- —
U.S.P., Zone 1, c.l., bgs...lb. .08 - —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls. .....lb. .09½- —
kgs. .....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09¾- —

Magnesia, carb., USP, Zone 2, l.c.l., bgs.....lb. .08¾- —
bbls. .....lb. .09¼- —
kgs. .....lb. .10½- —

Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l., shipments, full fr't alld, up to, but not exceeding, 25c. per 100 lbs., actually paid by customers. On l.c.l. shipments, fr't alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U. S.; prices f.o.b. Plymouth Meeting Ambler, Phillipsburg, Valley Forge, and New York.

Chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., tons.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - 11¼
Stearate, bbls., ctns., c.l.....lb. .23 - —
1 ton.....lb. .24 - —
1,000-2,000 lbs.....lb. .25 - —
smaller lots.....lb. .26 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .50 - —
smaller lots, dms.....lb. .55 - —
Magnesite, cal., dom., bgs...ton.60.00 -65.00
Imports, bgs., duty paid...ton. No prices
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lb.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots..lb. .53 - —
100-lb. lots.....lb. .55 - —
5-lb. cns.....lb. .73 - —
Malva flowers, black, bls.....lb. .60 - .65
blue, bls.....lb. .60 - .65
Leaves, bls.....lb. .24 - .25
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .08½ Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.69.00 - —
5-15 tons, works.....ton.72.00 - —
½ 4 tons, works....ton.77.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.66.50 - —
l.c.l., 5 tons, works....ton.69.50 - —
smaller lots, works...ton.74.50 - —
burlap bgs., c.l., works.ton.64.25 - —
l.c.l., 5 tons, works...ton.67.25 - —
smaller lots, works.ton.72.25 - —
paper bgs., c.l., works.ton.62.50 - —
l.c.l., 5 tons, works...ton.65.50 - —
Glycerophosphate, bbls., kgs..
1,000-lb. lots.....lb. 2.80 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports, duty paid..unit-ton. .71 - .73
Resinate, fused, 3½%, bbls...lb. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd.....ton lots, works..lb. .09 - .09½
single bbls., works...lb. .09¼- .09¾
fertilizer, 65%, $MnSo_4$, bgs., c.l., dlvd., South..ton.57.00 - —
l.c.l., bgs.....ton.65.00 -75.00
Mangrove bark, bgs., shipt...ton.35.00 - —
Manna flake, large, cs.....lb. .95 - 1.55
small, cs.....lb. .80 - 1.25
Mannitol, com'l grade, bbls., ton lots, works..lb. .38 - —
smaller lots, works.....lb. .45 - —
reagent grade, 50 lb. cs., or multiples, works..lb. .90 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bls.....lb. .28 - .29
Tunisan, bls.....lb. .26 Nom.
Chilean, bls.....lb. .17½- .18
Matico leaves, bls.....lb. .25 - .28
Menthol, USP, natural, cs.....lb. 3.50 - 3.60
synthetic, tech., cs.....lb. 2.50 - —
USP, cs.....lb. 3.25 - —
liquid, dms 50 lbs.....lb. 1.50 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.40 - —
25 lbs.....lb. 1.46 - —
50%, pails, 50 lbs.....lb. 2.09 - —
25 lbs.....lb. 2.11 - —

Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 3.02 - —
100-lb. fib. dms.....lb. 2.89 - —
25-lb. jars.....lb. 2.91 - —
Chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd. .....lb. 4.05 - 4.10
Iodide, red, NF, 5-lb. bots...lb. 4.71 - —
100-lb. fib. dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.81 - —
fib. dms., 100 lbs.....lb. 4.70 - 4.75
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate), tech. (see Red, mercury oxide), yellow, dom., tech., bbls...lb. 2.96 - —
USP, fib. dms., 50 lbs. or more..lb. 3.84 - —
Mercury and chalk, 5-lb. ctns..lb. 1.98 - —
25-lb. fib. dms.....lb. 1.80 - —
Mesityl oxide, cns., works.....lb. .20½- —
dms., c.l., dlvd.....lb. .16 - —
l.c.l., dlvd.....lb. .16½- —
tanks, dlvd.....lb. .15 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5¼ in..pkg. 1.70 - 1.80
gold, XX deep, 23K, 3⅜x3⅜ in..pkg.15.25 -15.75
3⅜x3⅞ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅜x5⅞ in.....pkg.22.50 -23.00
3⅞x5⅞ in.....pkg.24.50 -25.00
silver, 3¼x3¾ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls.....lb. 1.05 - 1.10
Metaphenylenediamine, kgs.....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, producer group A, denat., grade, tanks..gal. .40 - —
97%, tanks.....gal. .30 - —
95%, tanks.....gal. .29 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

natural, producer group B, pure, tanks, frt. alld. Zone 1, gal. .30 - —
Zone 2.....gal. .32 - —
Zone 3.....gal. .34 - —
Zone 4.....gal. .34½- —
Methanol, natural, producer group B, dms., c.l., Zone 1.....gal. .35½- —
Zone 2.....gal. .37½- —
Zone 3.....gal. .39½- —
Zone 4.....gal. .41½- —
dms., l.c.l., Zone 1...gal. .38 - —
Zone 2.....gal. .45 - —
Zone 3.....gal. .42 - —
Zone 4.....gal. .53½- —
95%, frt. alld., prices 2c. less than pure, all zones.
97%, frt., alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .35½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
2, frt. alld. or dlvd..gal. .45½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½- —
tanks, Zone 1, frt. alld...gal. .30 - —
2, frt. alld.....gal. .32 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah., Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., dlvd. E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd., E. of Miss. R., lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd., E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd., E. of Miss. R..lb. .07½- —
W. of Miss. R.....lb. .08½- —
tanks, dlvd., E. of Miss. R., lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .32 - —
dms., c.l., same basis, gal. ..37½- —
l.c.l., same basis...gal. .40½- —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Acetone, natural, group B producers, tanks, Zone 1..gal. .32 - —
Zone 2.....gal. .34 - —
Zone 3.....gal. .36 - —
Zone 4.....gal. .36½- —
dms., c.l., Zone 1.....gal. .37½- —
Zone 2.....gal. .39½- —
Zone 3.....gal. .41½- —
Zone 4.....gal. .43½- —
l.c.l., Zone 1.....gal. .40 - —
Zone 2.....gal. .47½- —
Zone 3.....gal. .44 - —
Zone 4.....gal. .55½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo. N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wisc. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash., Portland Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Acetone, synthetic, tanks, zone 1..gal. .34 - —
Zone 2.....gal. .42 - —
Zone 3.....gal. .45½- —
dms., c.l., zone 1.....gal. .36 - —
Zone 2.....gal. .44 - —
Zone 3.....gal. .48 - —
l.c.l., zone 1.....gal. .37 - —
Zone 2.....gal. .45½- —
Zone 3.....gal. .48½- —

Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.20 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Bromide, cyl.....lb. .65 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bls.....lb. 4.25 - 5.00
Formate, dms.....lb. .80 - —
Lactate, dms., l.c.l., dlvd....lb. .80 - —
Iodide, bots.....lb. 3.68 - 3.82
Salicylate, dms.....lb. .35 - .37
cns. .....lb. .37 - .40
Violet toner, bbls.....lb. .88 - —
permanent, bbls.....lb. .80 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 100 lbs. or more, frt. alld..lb. .70 - —
less than 100 lbs., works..lb. .75 - —
Methylcyclohexane, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .25 - —
Methylcyclohexanol, 98-100%, dms., works, frt. alld. E. of Rockies..lb. .30 - —
Methylcyclohexanone, 98 - 100%, dms., works, frt. alld., E. of Rockies..lb. .58 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22

Lime—Mustard Seed

Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07 - —
l.c.l., same terms.....lb. .07½- —
tanks, same terms.....lb. .06 - —
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.28.00 -44.00
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .70 - —
l.c.l., works.....gal. .80 - —
smaller containers, works..gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp., bots.....lb. 3.10 - —
Methylpropyl ketone, dms., c.l.lb. .20½- —
l.c.l. .....lb. .21 - —
tanks .....lb. .19½- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh., containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
Mica, dry grd., amber, No. 1 quality, bgs. extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works.ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works....lb. .03 - —
refined, bgs., extra and returnable, c.l., works..ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1 quality, bgs. extra and returnable, c.l., works, ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works..lb. .03 - —
roofing, bgs. extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
rubber, bgs., c.l., frt. alld. E. lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅞- —
rubber, bgs., c.l., frt. alld. E..lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅞- —
wet-ground mica prices are ½c. per pound higher west of Rockies.
Milk powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
spray, bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08½- —
unskimmed, roller, bbls., c.l., lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l.....lb. .16 - —
Millet seed, yellow, bgs.....lb. .02¾- —
early fortune, bgs.....lb. .02½- .06
hulled, bgs.....lb. .05½- .06
Mineral spirits (see Petroleum thinners and V M & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .07 - —
f.o.b. Gulf ports.....gal. .06½- —
Molybdate orange (see Orange, molybdate).
Molydenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Molybdenum, trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works.....lb. .53 - .55
tanks .....lb. .50 - —
Monobutylamine, dms., c.l., wks., lb. .50 - —
l.c.l., works.....lb. .51 - .53
tanks, works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l., lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works, lb. .65 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .65 - —
l.c.l., dlvd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein leaves, cns.....lb. .12 - .14
flowers, cns.....lb. 1.30 - 1.35
Musk, nat., Tonquin, grained, bots..oz.16.00 -17.00
pods, caddies, 20 ozs.....oz.12.50 -13.50
synth., ambrette, cns., 100 lbs. or more..lb. 3.65 - —
5 lbs. to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 3.95 - —
ketone, cns., 100 lbs. or more, lb. 3.70 - —
5 lbs. to 75 lbs.....lb. 3.95 - —
1 lb.....lb. 4.10 - —
xylol, cns., 100 lbs. or more, lb. 1.05 - —
5 lbs. to 75 lbs.....lb. 1.15 - —
1 lb.....lb. 1.20 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown, bgs..lb. .09½- .10
yellow, bgs.....lb. .11½- .12
Chinese yellow, bgs.....lb. .08 - .08¾
Danish, yellow, bgs.....lb. .17½- .18
Dutch, yellow, bgs.....lb. .14½- .15
English, yellow, bgs.....lb. No stocks
Roumanian, yellow, bgs....lb. .11½- .12
Turkish, yellow, bgs.....lb. .17½- .18

Myrobalans—Orthotoluene

Myrobalans, J1, bgs., f.a.s.	ton.	40.00	- —
J2, bgs., f.a.s.	ton.	34.00	- —
Extract, liquid, 25%, bbls.	lb.	No prices	
solid, 50%, bbls.	lb.	No prices	
powdered, 70%, bbls.	lb.	.06	Nom.

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).			
Solvent (see S).			
Naphthalene, crude, dom., 74 deg., bgs., c.l., works.	100 lbs.	2.25	Nom.
bbls., c.l., works.	100 lbs.	2.50	Nom.
78 deg., bgs., c.l., works.	100 lbs.	2.50	Nom.
l.c.l., works	100 lbs.	2.75	Nom.
import, bgs., c.i.f.	100 lbs.	No price	
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works.	lb.	.07 -	—
50-lb. cs., same basis.	lb.	.07½-	—
pkgs. (16 oz.), same basis, lb.		.07¾-	—
(12 oz.), same basis.	pkg.	.06¼-	—
chipped, crushed, bbls., same basis.	lb.	.06¼-	—
rice, cryst., powd., bbls., same basis.	lb.	.07 -	—
Nerolin, cryst., cns.	lb.	1.25 -	1.35
Nickel carbonate, bbls.	lb.	.36 -	.36½
Chloride, bbls.	lb.	.18 -	.20
Cyanide, 100-lb. dms.	lb.	1.40 -	—
25-lb. bot.	lb.	1.50 -	—
Oxide, black, bbls.	lb.	.33 -	.38
Salt, bbls.	lb.	.13 -	.13½
Nicotine sulphate, 40%, dms., works, frt. alld.	lb.	.70 -	—
10-lb. tins	lb.	.80½-	—
Nitercake, bulk, works	ton.	16.00 -	—
Nitrobenzene, dbl. dist., dms., c.l.	lb.	.08 -	—
l.c.l.	lb.	.09 -	—
tanks	lb.	.07 -	—
Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., works.	lb.	.28 -	—
bronzing, 20, 40, 70 sec. vis., bbls., works.	lb.	.29 -	—
ester soluble, 30-35 cps., ¼, ½ sec., bbls., c.l., dry weight, works	lb.	.22 -	—
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works.	lb.	.26 -	—
ester-soluble, 5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works.	lb.	.20 -	—
l.c.l., 5-6, 15-20 sec., high vis., bbls., works.	lb.	.25 -	—
lacquer, 20-30 and 60-80 sec., vis., bbls., works.	lb.	.29 -	—

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, l.c.l., dms., works.	lb.	.25 -	—
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports.	unit-ton.	1.21	58- —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd.	unit-ton.	1.75 -	—
f.o.b. Chemical, Ill.,	unit-ton.	1.75 -	—
East Coast producing points.	unit-ton.	2.20 -	—
import, bgs., c.i.f. Atlantic ports, shipt.	unit-ton.	2.20 -	—
Nitromethane, l.c.l., dms., works,	lb.	.25 -	—
Nitronaphthalene, bbls.	lb.	.24 -	.25
Nitropropane I, l.c.l., dms., works,	lb.	.25 -	—
II, same basis.	lb.	.25 -	—
Nutgalls, Aleppo, bgs., cs.	lb.	.29 -	.32
Chinese	lb.	.23 -	—
Extract (see Gall extract).			
Nutmegs, 80s, bgs., cs.	lb.	.20 -	.21
110s, bgs., cs.	lb.	.19 -	.20
West Indian, bgs.	lb.	.08½-	.09
Nux vomica, bls.	lb.	.05 -	.06
powd., bbls., bxs.	lb.	.08 -	.09

O

Oakbark extract, 25% tan., bbls., c.l., works.	lb.	.03½-	—
l.c.l., bbls., works.	lb.	.03¾-	—
tanks	lb.	.02¾-	—
Ocher (see Yellow).			
Octane, 100-140° C., mixed, dms., c.l., G.S.	gal.	.12½-	—
le.l., G.S.	gal.	.17 -	—
tanks, G.S.	gal.	.10½-	—
Octyl acetate, dms., c.l. works.	lb.	.16 -	—
l.c.l., works.	lb.	.17 -	—
tanks, works.	lb.	.15 -	—
Oil, almond, bitter, artif. (see Benzaldehyde)			
natural, bots.	lb.	2.75	- 3.00
s.p.a., bots.	lb.	3.00	- 3.25
sweet, true, exp., cns.	lb.	.70	- .75
Amber, crude, cns.	lb.	.22	- .23
ref'd, cns.	lb.	.75	- .80
Amyris, cns.	lb.	3.00	- 3.25
Angelica root, bots.	lb.	80.00	-85.00
seed, bots.	lb.	48.00	-53.00
Anilin (see A).			
Anise, USP, ons., dms.	lb.	.72	- .75
Apricot, kernels, cns.	lb.	.38	- .39
Babassu, tanks.	lb.	.06	Nom.
Bay, W. I., 50-55% phenols, cns.	lb.	1.10	- 1.15
55-60% phenols, cns.	lb.	1.20	- 1.25
Bergamot, artif., cns.	lb.	1.25	- 1.30
natural, coppers.	lb.	8.50	Nom.
Birch (see Oil, sweet birch).			
Birchtar, crude, dms.	lb.	.25	- .26
rectified, cns.	lb.	.75	- .80
Bois de rose, Brazil, cns.	lb.	1.60	- 1.65
Cade, USP IX (see Oil, juniper tar).			
Cajeput, tech., dms.	lb.	.60	- .67
USP, IX, cns.	lb.	.62	- .72
Calamus, cns.	lb.	8.25	- 8.50
Camphor, sassafrassy cns.	lb.	.31	- .32
dms.	lb.	.28	- .29
white, cns.	lb.	.35	- .37
dms.	lb.	.32	- .33
Cananga, native, cns.	lb.	1.60	- 1.65
rectified, cns.	lb.	2.00	- 2.35
Capsicum (oleoresin) N. F. VI, cns.	lb.	2.50	- 2.75
Caraway, USP, cns.	lb.	5.00	Nom.
Cardamon, bots.	lb.	15.00	-16.00
Cassia, USP, cs., dms.	lb.	1.25	- 1.30
Castor, blown, one-way dms., c.l.	lb.	.13¾	Nom.
l. c.l.	lb.	.14½-	—
cold pressed, USP, bbls., c.l.,	lb.	.12¼-	—
l.c.l.	lb.	.13 -	—
cns. (1-gal), l.c.l.	lb.	.16 -	—
dms. (returnable), c.l.	lb.	.12 -	—
l.c.l.	lb.	.12¾-	—
(5-gal.), l.c.l.	lb.	.14 -	—
tanks	lb.	.11½-	—
Oil, castor, dehydrated, dms., c.l.	lb.	.1460-	—
l.c.l.	lb.	.15 -	—
tanks	lb.	.14 -	—
extracted No. 3, tech., bbls., c.l.	lb.	.11¾-	—
l.c.l.	lb.	.12½-	—
dms. (returnable), c.l.	lb.	.11½-	—
l.c.l.	lb.	.12¼-	—
tanks	lb.	.11 -	—
sulphonated, 50% (43% fat), dms., c.l.	lb.	.08½-	—
l.c.l.	lb.	.09½-	—
75% (63% fat) dms., c.l.	lb.	.11 -	—
l.c.l.	lb.	.12 -	—
80% (68% fat), dms., c.l.	lb.	.11¼-	—
l.c.l.	lb.	.12¾-	—

Castor oil, USP, and No. 3, prices are dlvd. all points between N.Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ⅜c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.

Cedarleaf, cs.	lb.	.80 -	.85
dms.	lb.	.75 -	.80
Cedarwood, Oregon, cns., dms.,	lb.	.28 -	.30
Southern, cns., dms.	lb.	.19 -	.22
Celery, bots.	lb.	9.50	-10.00
Chaulmoogra, USP, cns.	lb.	.72½-	—
Chinawood, dms.	lb.	.25½-	.26
tanks	lb.	.24½-	.25
Cinnamon, Ceylon, bots.	lb.	9.25	-27.00
Seychelle, bots.	lb.	7.25	- 8.00
Citronella, Ceylon, cns.	lb.	.38	- .39
dms.	lb.	.36	- .37
Java, cns., dms.	lb.	.34	- .35
Clove, makers, USP, cns.	lb.	1.20	- 1.25
dms.	lb.	1.15	- 1.20
Coconut, Manila, crude, tanks,	lb.	.02¾-	—
edible, 76°, dms. (returnable), c.l.	lb.	.07¾-	—
l.c.l.	lb.	.08¼-	—
tanks	lb.	.07 -	—
Cod, Norwegian, shipt., bbls.,	gal.	No prices	
Codliver, med., USP, bbls.	bbl.	65.00	-70.00
Coriander, bots.	lb.	13.00	-15.00
Corn, crude, tanks, wks.	lb.	.05½-	.05⅝
refd., bbls.	lb.	.08¼-	.08¾
Cottonseed, cooking, bbls.	lb.	.08⅝-	—
salad, bbls.	lb.	.09 -	—
import, Brazilian, semi-refd., bulk.	lb.	No prices	
Creosote (see C).			
Croton, N.F., cns.	lb.	2.50	- 2.75
Cubeb, USP, cns.	lb.	3.50	- 3.75
Crude (see Petroleum, crude).			
Cumin, bots.	lb.	6.50	- 7.00
Cypress, dom., bots.	lb.	5.25	- 5.50
import, cns.	lb.	12.00	-12.25
Degras (see D).			
Diesel, Bayonne, bulk.	bbl.	1.80	- 1.95
California, 24 plus, bulk.	bbl.	1.55	-
Dill seed, bots.	lb.	4.50	- 5.00
weed, bots.	lb.	5.50	- 6.00
Dip (see L).			
Erigeron, cns.	lb.	2.25	- 2.30
Eucalyptus, cns.	lb.	.70	- .72
dms.	lb.	.68	- .70
Fennel, sweet, cns.	lb.	3.00	- 3.25
Fuel, bunker, California, tide-water.	bbl.	.65	- .75
Gulf Coast, at terminal.	bbl.	.80	- —
Louisiana, Arkansas, 10-14,	bbl.	.85	- 1.00
N. Y. and N. J. terminals:—			
Monday	bbl.	1.35	- —
Tuesday	bbl.	1.35	- —
Wednesday	bbl.	1.35	- —
Thursday	bbl.	1.35	- —
Friday	bbl.	1.35	- —
Saturday	bbl.	1.35	- —
North Texas, 18-22.	bbl.	.75	- .85
24-28, zero cold test.	bbl.	1.00	- 1.10
Oklahoma, 18-22.	bbl.	.75	- .85
24-28, zero cold test.	bbl.	1.00	- 1.05
24-28, 15 and above.	bbl.	.80	- .85
Pennsylvania, 36-40.	gal.	.04	- —
Furnace, Bayonne, 1, bulk, refinery.	gal.	.0590-	.06¾
2, bulk, same basis.	gal.	.0440-	.05
4, bulk, same basis.	gal.	.0540-	.06
Louisiana - Arkansas, 23-36, light straw.	gal.	.03¼-	.03⅝
Oklahoma, 28-30.	gal.	.03 -	—
32-36	gal.	.03¼-	.03⅝
36-38	gal.	.03⅝-	.03¾
38-40 zero, 60 e.p.	gal.	.03⅝-	—
Fusel (see F).			
Gas, Bayonne, bulk.	gal.	.0540-	.0560
Gulf Coast, bulk.	gal.	.03¼-	—
North Texas, bulk.	gal.	.02⅝-	.02¾
Oklahoma, bulk.	gal.	.02⅝-	.02¾
Gaultheria (see Oil, wintergreen leaf).			
Geranium, Algerian, rose, cns.,	lb.	3.75	- 4.00
Bourbon, cns.	lb.	3.50	- 3.75
Turkish (see Palmarosa).			
Grapefruit, cns.	lb.	1.55	- 1.60
Grapeseed, dms.	lb.	.40	- .45
Ginger, dist., bots.	lb.	4.10	- 4.25
Guaiac wood, concrete, bots.	lb.	2.80	- 2.85
Haarlem, imported, bots.	gross.	No prices	
Hemlock, cns.	lb.	.65	- .70
Juniper berry, USP, cns.	lb.	4.00	- 4.50
wood, tech., cns.	lb.	.45	- —
Juniper tar, USP XI, cns.	lb.	.40	- .45
Lard, common, l, bbls.	lb.	.07½-	—
2, bbls.	lb.	.07½-	—
extra, bbls.	lb.	.07¾-	—
1, bbls.	lb.	.07½-	—
winter, strained, bbls.	lb.	.08 -	—
prime, burning, bbls.	lb.	.08¾-	—
prime, tined., bbls.	lb.	.08¼-	—
Laurel, bots.	lb.	4.50	4.60
Lavandin, cns., 25 lbs.	lb.	3.25	- 3.50
Lavender flower, French, 50% ester, cns.	lb.	6.00	- 6.25
38-42% ester, cns.	lb.	4.25	- 4.50
35-38% ester, cns.	lb.	3.75	- 4.00
30-32% ester, cns.	lb.	3.50	- 3.75
garden, cns.	lb.	.42	- .45
spike, Spanish, tech., cns.	lb.	1.20	- 1.85
dms.	lb.	1.15	- 1.70
Lemon, Calif., cns.	lb.	3.25	- —
Messina, coppers, cns.	lb.	4.75	Nom.
Terpeneless, Type 1.	lb.	10.50	-16.50
Type 2.	lb.	8.35	-14.50
Lemongrass, native, cns., dms.	lb.	.70	- .73
Lime, dist., cns.	lb.	5.00	- 5.50
expressed, cns.	lb.	7.50	- 7.75
Terpeneless, Type 1.	lb.	70.00	-78.00
Type 2.	lb.	42.00	-46.50
Linaloe wood, cns.	lb.	1.30	- 1.35
Linseed, raw, dms., c.l.	lb.	.0910-	.0930
l.c.l., 10 to 69.	lb.	.0950-	.0970
5 to 9.	lb.	.0970-	.0990
less than 5.	lb.	.0990-	.1010
tanks	lb.	.0850-	.0870

Boiled linseed oil .004 cents over raw.

Lovage, bots.	lb.	41.25	-60.00

Lubricating, at refinery (including U.S. tax 4c. per gal):—California, green, 70, 80, 100, vis., dms. gal. .30 - —

140 vis., dms.	gal.	.25 -	—
green, pale, 750, 900 vis., dms.	gal.	.26 -	—
200, 300, 350, 400, 450, 500, 600, 700 vis., dms.	gal.	.26 -	—
Oil, lubricating, at refinery—Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tanks.	gal.	.18 -	—
15-25 pour, tanks.	gal.	.19 -	—
150-160 D, color 4½, 0-10 pour, tanks.	gal.	.19 -	—
15-25 pour, tanks.	gal.	.17 -	—
150-160 E, color 5½, 15-25 pour, tanks.	gal.	.17 -	—
190-200 D, color 4¼, 15-25 pour, tanks.	gal.	.14 -	—
neutrals, 0-10 pour, 150 vis., 3 colors, tank.	gal.	.08 -	—
180 vis., 5 color, tanks,	gal.	.10½-	—
4 color, tanks.	gal.	.10½-	—
200 vis., 3 color, tanks,	gal.	.12 -	—
4 color, tanks.	gal.	.11½-	—
250 vis., 3 color, tanks,	gal.	.14 -	—
4 color, tanks.	gal.	.14 -	—
280 vis., 3 color, tanks,	gal.	.15 -	—
4 color, tanks.	gal.	.13½-	—
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.			
Pennsylvania, bright stocks, 8 color, 140-150 vis., 545-550 flash, 10 pour, tanks.	gal.	.18½-	—
15 pour, tanks.	gal.	.17½-	—
25 pour, tanks.	gal.	.14 -	.16
cylinder oil, 600 flash, tanks.	gal.	.12 -	.13
630 flash, tanks.	gal.	.14 -	.15
600 steam refined, tanks,	gal.	.09 -	.10
650 steam refined, tanks,	gal.	.11 -	.12
Neutrals, 150 vis., 70°F., 3 color, 400-405 flash, zero pour, tanks.	gal.	.22½-	—
10 pour, tanks.	gal.	.21½-	—
15 pour, tanks.	gal.	.20½-	—
25 pour, tanks.	gal.	.19 -	.20
200 vis., 70°F., 3 color, 420-422 flash, zero pour, tanks.	gal.	.24½-	—
10 pour, tanks.	gal.	.23½-	—
15 pour, tanks.	gal.	.22½-	—
25 pour, tanks.	gal.	.21 -	.22
Mace, dist., cns., dms.	lb.	2.60	- 2.70
Mandarin, superior, coppers.	lb.	10.00	-11.00
Menhaden, crude, tanks, f.o.b. Balto.	gal.	.35	Nom.
refd., alkali, dms.	lb.	.0730-	—
tanks	lb.	.0670-	—
blown, dms.	lb.	.0750-	—
kettle-bodied, dms.	lb.	.0850-	—
light-pressed, dms.	lb.	.0670-	—
tanks	lb.	.0610-	—
Mineral, white (see Oil, white mineral).			
Mustard, artif., USP, bots., cns.,	lb.	1.60	- 1.70
dist., natural, bots.	lb.	8.50	- 9.00
Neatsfoot, 20° cold test, bbls.,	lb.	.16¾-	—
extra, bbls.	lb.	.07¾-	—
1, bbls.	lb.	.07½-	—
prime, bbls.	lb.	.08 -	—
pure, bbls.	lb.	.11¾-	—
sulphonated, common, 25% moisture, dms.	lb.	.10½-	—
Neroli, bots.	lb.	200.00	-325.00
Nutmeg, USP, cns., dms.	lb.	2.60	- 2.70
Oleo, 1, bbls.	lb.	.07½-	—
2, bbls.	lb.	.07¼-	—
Oiticica, dms.	lb.	.17½-	.18¼
Oilbanum, bots.	lb.	5.00	- 5.25
Olive, denat., dms.	gal.	1.45	Nom.
edible, dms.	gal.	2.35	Nom.
foots, dms.	lb.	.08¾	Nom.
sulphonated, 50%, (42% fat), dms., c.l.	lb.	.09½-	—
l.c.l.	lb.	.10½-	—
75% (63% fat), dms., c.l.	lb.	.12½-	—
l.c.l.	lb.	.13½-	—
80% (68% fat), dms., c.l.,	lb.	.127 -	—
l.c.l.	lb.	.137 -	—
Orange, sweet, dist., cs.	lb.	.90 -	—
expressed, African, cns., dms.,	lb.	1.10	- 1.15
Calif., cns.	lb.	2.00 -	—
Florida, cns.	lb.	1.25	- 1.30
Messina, USP, coppers.	lb.	8.00	Nom.
West Indies, cns.	lb.	2.00	- 2.10
terpeneless	lb.	42.00	-50.00
Origanum, cns.	lb.	1.80 -	—
Orris, Florentine, concrete, extra strong, bots.	oz.	5.50	- 6.00
Palm, Niger, dms.	lb.	.04	Nom.
shipment	lb.	.03¼	Nom.
softs, 12½%, bulk, shipt.	lb.	.02¾	Nom.
Sumatra, shipt., bulk.	lb.	.02¼	Nom.
Palmarosa, cns.	lb.	2.25	- 2.50
Paraffin, 320° flash, 60-70 vis., tanks, G.S., gal.		.05¼-	—
350° flash, 70-80 vis., tanks, G.S., gal.		.05½-	—
80-85 vis., bbls. extra, Ind. refy., gal.		.13 -	—
350° flash, 100-105 vis., bbls., extra, Ind. refy., gal.		.14 -	—
360° flash, 100-110 vis., tanks, G.S., gal.		.05¾-	—
Patchouli, bots., cns.	lb.	7.00	- 8.00
Peanut, crude, dom., tanks.	lb.	.05¾-	.06
refd., edible, bbls.	lb.	.08¾-	.09
Pennyroyal, dom., cns.	lb.	3.00	Nom.
import, cns.	lb.	2.50	- 2.75
Peppermint, natural, cns., dms.,	lb.	2.65	- 2.90
redist., USP, cns., dms.	lb.	2.90	- 3.15
Perilla, dms.	lb.	.18½	Nom.
tanks	lb.	.17½	Nom.
Petitgrain, Paraguay, cns.	lb.	1.50	- 1.55
Pimento berry, cns.	lb.	4.35	- 7.25
leaf, cns.	lb.	2.40	- 2.60
Pine, dest.-dist., straw-color, dms., dlvd., E. ports.	gal.	.50	- .55
steam-dist., dms.	gal.	.59	- —
tanks	gal.	.54	- —
Pineneedle, Siberian, cns.	lb.	1.35	- 1.40
Putty, bbls., E. Segundo, Richmond, Cal.	gal.	.23½-	—
contracts	gal.	.19¼-	—
Whiting. Ind.	gal.	.28 -	—
dms., c.l., Bost., Providence	gal.	.25 -	—
l.c.l., same basis.	gal.	.27 -	—
tanks, same basis.	gal.	.18 -	—
Martines, Cal.	gal.	.28 -	—
Rapeseed, blown, bbls.	lb.	.17½	Nom.
denat., bbls.	gal.	1.10	- 1.15
Red, dist. or saponif., dms., dlvd.	lb.	.06¾-	.07¾
tanks, dlvd.	lb.	.06¼-	—
Rose, artif., bots.	oz.	1.35	- 2.25
natural, coppers.	oz.	5.75	-22.50
Rosemary, Spanish, cns.	lb.	.67	- .68
dms.	lb.	.62	- .63
Rosin, 1st rectfd., dms.	gal.	.42	- —
2d rectfd., dms.	gal.	.44	- —
3d rectfd., dms.	gal.	.48	- —
Rue, bots.	lb.	3.00	- 3.25
Sage, cns.	lb.	2.00	- 3.00
Sandalwood, E. I., USP, cns.	lb.	5.25	- 5.50
Mysore, cns., case lots.	lb.	5.50	- 5.75
Sardine, crude, tanks, Pac. Cst.,	gal.	.37	Nom.
refd., alkali, dms.	lb.	.0730-	—
tanks	lb.	.0670-	—
kettle-bodied, dm.	lb.	.0850-	—
Oil, sardine, light-pressed, dm.	lb.	.0670-	—
tanks	lb.	.0610-	—
Sassafras, artif., cns.	lb.	.83 -	.84
dms.	lb.	.80 -	.81
natural, cns., dms.	lb.	1.15 -	1.20
Savin, cns.	lb.	2.20 -	2.25
Savory, cns.	lb.	3.50 -	3.75
Sesame, refd., dom., dms.	lb.	.16	Nom.
Shingle stain, bbls., c.l., works,	gal.	.19 -	—
l.c.l., works.	gal.	.20 -	—
tanks, works.	gal.	.14 -	—
Snakeroot, Canada, cns.	lb.	9.50	-10.00
Soybean, dom., crude, dms.	lb.	.06 -	.06½
tanks	lb.	.05¼-	—
refd., dms.	lb.	.06¾-	.07¾
tanks	lb.	.06¼-	.06¾
Spearmint, dms.	lb.	2.25 -	2.30
Sperm, bleach, 38°, dms.	lb.	.1100-	—
45° dms.	lb.	.1030-	—
natural, dms.	lb.	.0980-	—
Spruce, cns., dms.	lb.	.65 -	.70
Sweet, birch, North, cns.	lb.	2.25 -	2.65
South, cns.	lb.	1.55 -	1.70
Tall, crude, dms., c.l., works.	ton.	40.00 -	—
l.c.l., works.	ton.	45.00	-50.00
tanks, works.	ton.	50.00 -	—
distilled, dms., c.l., dlvd.	lb.	.05½-	.07
l.c.l., dlvd.	lb.	.06¼-	.08¼
tanks, dlvd.	lb.	.05 -	.06¾
refined, dms., c.l., works.	lb.	.04 -	—
l.c.l., works.	lb.	.04½-	—
tanks, works.	lb.	.03½-	—
Tallow, acidless, bbls.	lb.	.07¼-	—
tanks	lb.	.06¾-	—
Tansy, cns.	lb.	5.75 -	6.00
Tar, pine, com'l. dmc., c.l., dlvd. E. cities.	gal.	.26 -	—
E. ports, c.l.	gal.	.25 -	—
l.c.l.	gal.	.27 -	—
tanks, dlvd. E. cities.	gal.	.20 -	—
rectfd., USP, bbls., l.c.l., dlvd. E. ports.	gal.	.55 -	—
Tar acid (see T).			
Teaseed, crude, dms.	lb.	.12½	Nom.
Tea Tree (see Oil, Ti tree).			
Thyme, NF, red, dms.	lb.	.80 -	1.75
white, dms.	lb.	.95 -	1.95
Tung (see Oil, chinawood).			
Ti tree, cns.	lb.	2.30 -	2.80
Turkey red (see castor, sulphonated).			
Turpentine (see T).			
Turtle, cns.	gal.	6.00 -	—
Valerian, bots.	lb.	8.00 -	9.00
Vetiver, bots.	lb.	3.75 -	15.00
Whale, ref., natural, dms.	lb.	.0910-	—
winter, bleach, dms.	lb.	.0950-	—
Wheat germ, cns., dms.	gal.	17.50	-25.00
White, mineral, dom., dms., tech., 50-60 vis., dms.	gal.	.33 -	.34
65-75 vis., dms.	gal.	.37 -	.43
80-90 vis., dms.	gal.	.38 -	.44
USP, 89-90 vis., dms.	gal.	.41½-	.47
95-105 vis., dms.	gal.	.50 -	.51
125-135 vis., dms.	gal.	.56 -	.57
140-150 vis., dms.	gal.	.57½-	.59½
175-185 vis., dms.	gal.	.63½-	.64½
200-210 vis., dms.	gal.	.66½-	.67½
320-330 vis., dms.	gal.	.73½-	.76½
335-345 vis., dms.	gal.	.76 -	.77
Russian, 80-90 vis., dms.	gal.	No prices	
145-155 vis., dms.	gal.	No prices	
175-185 vis., dms.	gal.	No prices	
335-345 vis., dms.	gal.	No prices	
Wintergreen, natural, North, cns.	lb.	4.35 -	5.00
South, cns.	lb.	3.05 -	3.75
synth (see Methyl salicylate).			
Wood (see Oil, chinawood).			
Wormseed, cns.	lb.	4.35 -	4.45
Wormwood, cns.	lb.	5.40 -	5.85
Ylang-ylang, Bourb., bots., cns.	lb.	3.00 -	8.00
Manila, bots.	lb.	18.00	-22.00
Olivine, aggregate, c.l., mines,	ton.	7.00	-11.00
Lumps, same basis.	ton.	7.00 -	—
Spalls, same basis.	ton.	5.00 -	—
ground, 325 mesh c.l., mines,	ton.	20.00 -	—
200 mesh, c.l., mines.	ton.	17.00 -	—
100 mesh, c.l., mines.	ton.	15.00 -	—
20 mesh to dust.	ton.	12.00 -	—
Opium USP, cns.	lb.	11.50	-12.50
gran., cns.	lb.	12.50	-13.50
powd., cns.	lb.	12.50	-13.50
Orange Lake, Persian, bbls.	lb.	.30 -	.45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.10¾-	—
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.11¼-	—
Colo., Mont., N. M., Wyo.	lb.	.11 -	—
Other points.	lb.	.10¼-	—
smaller lots, dlvd., Ala., etc.	lb.	.11¼-	—
Ariz., etc.	lb.	.11¾-	—
Colo., Mont., N. M., Wyo.	lb.	.11½-	—
Other points.	lb.	.11 -	—
French, Tours, casks, ex dock.	lb.	.13¼-	—
kgs., ex dock.	lb.	.14½-	—
Molybdate, bbls.	lb.	.31 -	—
Toner, bbls.	lb.	.80 -	—
Orangeflower petals, cs.	lb.	.45 -	.50
Orange peel, bitter, bls.	lb.	.09 -	.10
sweet, bls.	lb.	.11 -	.12½
Orris root, Florentine, bgs.	lb.	.45 -	.50
fingers, cs.	lb.	1.35 -	1.70
powd., bbls., bxs.	lb.	.48 -	.53
Verona, bls.	lb.	.34 -	.35
powd., bxs., cs.	lb.	.37 -	.38
Orthoanisidin, bbls.	lb.	.70 -	—
Orthochloroanilin, dms.	lb.	.60 -	.75
Orthochlorophenol, dms.	lb.	.32 -	—
Orthocresol, dms., c.l., works.	lb.	.16 -	—
l.c.l., same basis.	lb.	.16½-	—
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies.	lb.	.06 -	—
l.c.l., same basis.	lb.	.07 -	—
100-lb. tins, same basis.	lb.	.08 -	—
50-lb. tins, same basis.	lb.	.09 -	—
tanks, same basis.	lb.	.05½-	—

Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.

Orthonitroanilin, dms.	lb.	.55 -	—
Orthonitrochlorobenzene, dms.	lb.	.15 -	.18
Orthonitroparachlorophenol, cns.	lb.	.75 -	—
Orthonitrotoluene, dms.	lb.	.09 -	—
Orthophenetidin, dms.	lb.	.80 -	—
Orthotoluidin, dms.	lb.	.19 -	—
Osage orange extract, cryst., bbls.,	lb.	.21 -	—
liquid, 42°, bbls.	lb.	.09 -	—
51°, bbls.	lb.	.10 -	—
Oxyquinolin sulphate, cns., 100-lbs., works.	lb.	3.50 -	—
bots., cns., 1-50 lbs.	lb.	3.65 -	4.00
Orthotoluene hydrochloride, dms.	lb.	.22 -	—
Sulphonate, kgs.	lb.	2.00 -	2.05

P

Papain, powd., cs.	lb.	1.45 - 1.50
Paprika, Bulgarian, bgs.	lb.	.30½- .32
Hungarian, extra fancy, bgs.	lb.	.40 - .41
medium, bgs.	lb.	.37 - .38
Portuguese, extra fancy, bgs.	lb.	.33 - .34
fancy, bgs.	lb.	.32 - .33
Spanish, fancy, cs.	lb.	.38 - .39
Parachlorophenol, dms.	lb.	.32 - —
Paracymene, refd., dms.	gal.	.75 - 1.25
Paradichlorobenzene, dms., c.l.	lb.	.11 - .12
l.c.l.	lb.	.12½- .15½
Paraffin, crude, scale, white 122-124 A.m.p., bgs., c.l., Okla., refy.	lb.	.02¼- —
bbls., c.l., N.Y.	lb.	.02⅝- —
124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.02½- .02¾
bbls., c.l., N.Y.	lb.	.02⅝- .02½
yellow, 124-126 A.m.p., bbls., c.l., N.Y.		.02⅝- —
fully refd., bgs., 123-125 A.m.p., bgs., c.l.	lb.	.0570- —
125 A.m.p., bgs., c.l.	lb.	.0570- —
128-130 A.m.p., bgs., or loose, c.l.	lb.	.0570- —
131-133 A.m.p., bgs., or loose, c.l.	lb.	.0595- —
133-135 A.m.p., bgs., or loose, c.l.	lb.	.0625- —
135-137 A.m.p., bgs., or loose, c.l.	lb.	.0650- —
138-140 A.m.p., bgs., or loose, c.l.	lb.	.0725- —
143-145 A.m.p., bgs., or loose, c.l.	lb.	.0820- —
151-153 A.m.p., bgs. or loose, c.l.	lb.	.15 Nom.

Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars 1-5c. lower.

match, A.m.p. up to and incl. 110-112 bbls., c.l.	lb.	.03½- —
semirfd., solid, 122-124 A.m.p., bgs.	lb.	.03 - —
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C.	lb.	.34 - —
100 to 900 lbs. shipments, same basis	lb.	.35 - —
Paraldehyde, tech., 98% 55 and 110 gal. dms., c.l., works.	lb.	.10 - —
l.c.l., works	lb.	.11¼- —
5 and 10-gal. dms., works.	lb.	.15 - —
USP, cs., cbys.	lb.	.37 - .45
Paranisidine, dms.	lb.	.75 - —
Paranitroanilin, kgs., works	lb.	.47 - —
Paranitrochlorobenzene, kgs.	lb.	.15 - —
Paranitrophenol, kgs.	lb.	.35 - —
Paranitrotoluene, kgs.	lb.	.30 - —
Paraphenylenediamine, bbls.	lb.	1.25 - 1.30
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls.	lb.	.48 - —
Pareira brava root, bls.	lb.	.20 - .21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.	lb.	.23 - .25
less car lot, same basis.	lb.	.24 - .26
Passion flower, herb. bls.	lb.	.08 - .09
Patchouli leaves, bls.	lb.	.28 - .30
Pellitory root, bls.	lb.	.30 - .32
Pennyroyal leaves, bls.	lb.	.15 - .16
Pentane norm., 28-38°, dm., c.l., G.3.	gal.	.11½- —
l.c.l., G.8	gal.	.16 - —
tanks, G.3	gal.	.08½- —
laboratory grade, dms., c.l., G.3,	gal.	.14 - —
l.c.l., G.3	gal.	.25 - —
Pepper, black, Aleppey, bgs.	lb.	.06½- .06¾
Lampong, bgs.	lb.	.03½- .03⅝
Tellicherry, bgs.	lb.	.06½- .07
Red, chillies, Japan, Hontaka.	lb.	.17 - .17½
Mombassa, bgs.	lb.	.28½- .29
White, Java, Muntok, bgs.	lb.	.07¼- .07⅝
Singapore, Muntok	lb.	.07¼- .07⅝
Peppermint leaves, dom., bls.	lb.	.40 - .45
imports, bls.	lb.	.75 - .80
Perchlorethylene, dms., c.l., works, frt. alld., zone 1.	lb.	.08 - —
l.c.l., same basis	lb.	.08½- —
Zone 2, dms., c.l., works, frt. alld.	lb.	.08½- —
l.c.l., same basis	lb.	.09 - —
Zone 3, dms., c.l., works, frt. alld.	lb.	.09 - —
l.c.l., same basis	lb.	.09½- —
Zone 4, dms., c.l., f.o.b. stock points.	lb.	.09 - —
	lb.	.09 - —
l.c.l., same basis	lb.	.09½- —

All prices on perchlorethylene are frt. alld. with the exception of zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.	lb.	.85 - .90
Petrolatum, amber, dms., c.l.	lb.	.02¾- —
l.c.l.	lb.	.03¾- —
amber, extra, dms.	lb.	.03 - —
l.c.l.	lb.	.04 - —
veterinary, dms., c.l.	lb.	.03¾- —
white, cream, dms., c.l.	lb.	.04 - —
l.c.l.	lb.	.05½- —
lily, dms., c.l.	lb.	.04¾- —
l.c.l.	lb.	.06¼- —
snow, dms., c.l.	lb.	.05½- —
l.c.l.	lb.	.07½- —
Petroleum, crude, bulk, at wells:—		
California	bbl.	.42 - 1.75
Canada	bbl.	2.10 - 2.17
Central West:—		
Illinois	bbl.	.53 - 1.00
Lima	bbl.	.90 - —
Michigan	bbl.	.82 - 1.08
Princeton	bbl.	1.05 - —
East Texas	bbl.	1.10 - —
Gulf Coast	bbl.	.74 - 1.41
Kentucky, Tennessee	bbl.	1.02 - 1.10
Louisiana, Arkansas	bbl.	.73 - 1.20
Mexico	bbl.	No prices
Midcontinent:—		
North Texas	bbl.	.51 - 1.10
Oklahoma-Kansas	bbl.	.58 - 1.10
Pennsylvania, Ohio, West Virginia:—		
Bradford, Allegany	bbl.	2.00 - —
Corning	bbl.	1.17 - —
Buckeye lines	bbl.	.95 - —
N. Y. Transit lines	bbl.	2.00 - —
Eureka lines	bbl.	1.59 - —
S. W. Penn lines	bbl.	1.65 - —
lower district in National Transit lines.	bbl.	1.88 - 1.93
Rocky Mountains	bbl.	.51¼- 1.80
South Central and Southwestern Texas.	bbl.	.73 - 1.27
Texas Panhandle	bbl.	.67 - .90
West Texas	bbl.	.53 - .95
Petroleum, ether, 30-60°, dms., c.l., G.3.	gal.	.14½- —
l.c.l., G.3	gal.	.25½- —
tanks, G.3	gal.	.13½- —
35-60°, dms., l.c.l., G.3	gal.	.30½- —
40-75°, dms., c.l., G.3	gal.	.14½- —
l.c.l., G.3	gal.	.25½- —
tanks, G.3	gal.	.13½- —
laboratory grade, dms., c.l., G.3	gal.	.14½- —
c.l., G.3	gal.	.25½- —
10-gal. lots, G.3	gal.	.30½- —
Lacquer, diluent, at refinery:—		
California, 100 l.b.p., 200 e.p., tanks, dlvd. Los Angeles	gal.	.11 - —
San Francisco	gal.	.11¼- —
f.o.b. Richmond	gal.	.11 - —
Calif., Willbridge, Ore., Ft. Wells, Wash.	gal.	.12 - —
East Coast, tanks	gal.	.09¼- .10
Group 3, toluol type, tanks,	gal.	.07¾- —
benzol type, tanks	gal.	.07⅞- —
Naphtha, cleaners,' at refinery:—		
East Coast, tanks	gal.	.09 - .10¼
Group 3, tanks	gal.	.06¾- .07
tankwagon, Boston, ex tax,	gal.	.13½- —
Bridgeport	gal.	.13½- —
Chicago, inc. 4c. tax.	gal.	.18 - —
Decatur, inc. 4c. tax.	gal.	.1910- —
tankwagon, Des Moines, inc. 4c. tax.	gal.	.1890- —
Des Moines, inc. 4c. tax,	gal.	.1890- —
Evansville, inc. ex tax.	gal.	.16 - .18
Milwaukee, inc. 5c. tax.	gal.	.2030- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20½- —
Petroleum, naphtha, cleaners, tankwagon, Newark, ex tax.	gal.	.10½- —
New York, ex tax	gal.	.10½- —
Omaha, ex tax	gal.	.1490- .1590
Oklahoma City, ex tax.	gal.	.16½- —
Philadelphia, ex tax.	gal.	.12 - —
St. Louis, inc. 1c. tax.	gal.	.15½- —
Syracuse, 150 gals.	gal.	.14½- —
smaller lots, galv. drums.	gal.	.10 - —
milk cans	gal.	.21 - —
High-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway.	gal.	.20 - —
2, over 90% arom., same basis.	gal.	.21 - —
3, same basis	gal.	.22 - —
5, tanks, f.o.b. Paulsboro, N. J.	gal.	.16½- —
30, same zasis	gal.	.17½- —
40, same basis	gal.	.17¾- —
v.m.&p., at refinery—		
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo.	gal.	.11 - —
Richmond	gal.	.11½- —
Willbridge, Ore., Ft. Wells, Wash.	gal.	.12 - —
54-57, 190 l.b.p., 310 e.p., tanks, dlvd. Los Angeles,	gal.	.10 - —
San Francisco	gal.	.10½- —
Portland, Seattle	gal.	.11 - —
East Coast, tanks	gal.	.09½- —
Group 3, tanks	gal.	.06¾- .07
tankwagon, Boston, ex tax.	gal.	.14½- —
Chicago, inc. 4c. tax.	gal.	.17 - —
Des Moines, inc. 4c. tax.	gal.	.1890- —
Decatur, inc. 4c. tax.	gal.	.1910- —

Papain—Pet. Solvent

Petroleum, naphtha, v.m.& p., tankwagon, Evansville, Ind., ex tax.	gal.	.1520- .1620
Milwaukee, inc. 5c. tax.	gal.	.2030- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20 - —
Newark, ex tax.	gal.	.11½- —
New York, ex tax.	gal.	.10½- —
Omaha, ex tax.	gal.	.1490- .1590
Philadelphia, ex tax.	gal.	.13 - —
St. Louis, inc. 1c. tax.	gal.	.1570- —
solvent, rubber, at refinery, East Coast, tanks.	gal.	.09½- —
Group 3, light, 120 l.b.p., 250 e.p., tanks.	gal.	.06⅞- .07
standard, 180 l.b.p., 288 e.p., tanks.	gal.	.06¾- .07
Stoddard (CS 3-38), at refinery:—		
East Coast, tanks	gal.	.06¾- .06½
Group 3, tanks	gal.	.06¾- .06½
tankwagon, Boston, ex tax,	gal.	.14 - —
Chicago, inc. 4c. tax.	gal.	.1640- —
Decatur, inc. 4c. tax.	gal.	.1860- —
Des Moines, inc. 4c. tax.	gal.	.1840- —
Evansville, Ind., ex tax.	gal.	.14 - .15
Milwaukee, inc. 5c. tax.	gal.	.1980- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.1820- —
Newark, ex tax.	gal.	.09½- —
New Orleans, ex tax.	gal.	.11 - —
New York, ex tax.	gal.	.09½- —
Omaha	gal.	.1360- .1414
Philadelphia, ex tax.	gal.	.13 - —
St. Louis, inc. 1c. tax.	gal.	.1340- —
Tulsa, ex tax.	gal.	.10½- .11¼

The last chapter on Shell Naphthas has never been written and never will be...

The reason why the story will never end is the Shell Naphtha Technician. An experienced chemical engineer, this man is one of a staff whose time is devoted solely to the study of naphthas.

Knowing the uses and characteristics of present naphthas is not enough for this man. Equally important to him is the development of new and better uses—the discovery of new and better naphthas. Each problem solved, each new advance is the signal for further research.

This man will approach your problems in the same light. Ask the nearest Shell Office to have one of these Technicians call on you.

SHELL

SHELL NAPHTHAS

Myrobalans—Orthotoluene

Myrobalans, J1, bgs., f.a.s...ton.40.00 - —
J2, bgs., f.a.s.....ton.34.00 - —
Extract, liquid, 25%, bbls...lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, 70%, bbls.....lb. .06 Nom.

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works..100 lbs. 2.25 Nom.
bbls., c.l., works...100 lbs. 2.50 Nom.
78 deg., bgs., c.l., works, 100 lbs. 2.50 Nom.
l.c.l., works.....100 lbs. 2.75 Nom.
import, bgs., c.i.f.....100 lbs. No price
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis...lb. .07¼- —
pkgs. (16 oz.), same basis, lb. .07¾- —
(12 oz.), same basis..pkg. .06¼- —
chipped, crushed, bbls., same basis..lb. .06¼- —
rice, cryst., powd., bbls., same basis..lb. .07 - —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100-lb. dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works,frt. alld..lb. .70 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., works. lb. .38 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester soluble, 80-85 cps., ¼, ½ sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
ester-soluble, 5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitroethane, l.c.l., dms., works. lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd..unit-ton. 1.75 - —
f.o.b. Chemical, Ill., unit-ton. 1.75 - —
East Coast producing points..unit-ton. 2.20 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.20 - —
Nitromethane, l.c.l., dms., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, l.c.l., dms., works, lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Alleppo, bgs., cs....lb. .29 - .32
Chinese .....lb. .23 - —
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .20 - .21
110s, bgs., cs.....lb. .19 - .20
West Indian, bgs.....lb. .08¼- .09
Nux vomica, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .08 - .09

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03¼- —
l.c.l., bbls., works.....lb. .03¾- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.S..gal. .12½- —
le.l., G.S.....gal. .17 - —
tanks, G.S.....gal. .10½- —
Octyl acetate, dms., c.l. works.lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde)
natural, bots.....lb. 2.75 - 3.00
s.p.a., bots.....lb. 3.00 - 3.25
sweet, true, exp., cns....lb. .70 - .75
Amber, crude, cns.....lb. .22 - .23
ref'd, cns.....lb. .75 - .80
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.80.00 -85.00
seed, bots.....lb.48.00 -53.00
Anilin (see A).
Anise, USP, ons., dms.....lb. .72 - .78
Apricot, kernels, cns.....lb. .38 - .39
Babassu, tanks.....lb. .06 Nom.
Bay, W. I., 50-55% phenols, cns..lb. 1.10 - 1.15
55-60% phenols, cns.....lb. 1.20 - 1.25
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers.....lb. 8.50 Nom.
Birch (see Oil, sweet birch).
Birchtar, crude, dms.....lb. .25 - .26
rectified, cns.....lb. .75 - .80
Bois de rose, Brazil, cns.....lb. 1.60 - 1.65
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .66 - .67
USP. IX, cns.....lb. .62 - .72
Calamus, cns.....lb. 8.25 - 8.50
Camphor, sassafrassy cns...lb. .31 - .32
dms. .....lb. .28 - .29
white, cns.....lb. .35 - .37
dms. .....lb. .32 - .33
Cananga, native, cns.....lb. 1.60 - 1.65
rectified, cns.....lb. 2.00 - 2.35
Capsicum (oleoresin) N. F. VI, cns..lb. 2.50 - 2.75
Caraway, USP, cns.....lb. 5.00 Nom.
Cardamon, bots.....lb.15.00 -16.00
Cassia, USP, cs., dms.....lb. 1.25 - 1.30
Castor, blown, one-way dms., c.l..lb. .13¾ Nom.
l. c.l.....lb. .14½- —
cold pressed, USP, bbls., c.l., lb. .12¼- —
l.c.l. .....lb. .13 - —
cns. (1-gal), l.c.l.....lb. .16 - —
dms. (returnable), c.l...lb. .12 - —
l.c.l. .....lb. .12¾- —
(5-gal.), l.c.l.....lb. .14 - —
tanks .....lb. .11½- —
Oil, castor, dehydrated, dms., c.l. lb. .1460- —
l.c.l. .....lb. .15 - —
tanks .....lb. .14 - —
extracted No. 3, tech., bbls., c.l..lb. .11¾- —
l.c.l. .....lb. .12½- —
dms. (returnable), c.l.....lb. .11½- —
l.c.l. .....lb. .12¼- —
tanks .....lb. .11 - —
sulphonated, 50% (43% fat), dms., c.l..lb. .08½- —
l.c.l. .....lb. .09½- —
75% (63% fat) dms., c.l..lb. .11 - —
l.c.l. .....lb. .12 - —
80% (68% fat), dms., c.l..lb. .11¼- —
l.c.l. .....lb. .12¼- —
Castor oil, USP, and No. 3, prices are dlvd. all points between N.Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.
Cedarleaf, cs.....lb. .80 - .85
dms. .....lb. .75 - .80
Cedarwood, Oregon, cns., dms., lb. .28 - .30
Southern, cns., dms.....lb. .19 - .22
Celery, bots.....lb. 9.50 -10.00
Chaulmoogra, USP, cns.....lb. .72½- —
Chinawood, dms.....lb. .25½- .26
tanks .....lb. .24½- .25
Cinnamon, Ceylon, bots.....lb. 9.25 -27.00
Seychelle, bots.....lb. 7.25 - 8.00
Citronella, Ceylon, cns.....lb. .38 - .39
dms. .....lb. .36 - .37
Java, cns., dms.....lb. .34 - .35
Clove, makers, USP, cns....lb. 1.20 - 1.25
dms. .....lb. 1.15 - 1.20
Coconut, Manila, crude, tanks, lb. .02⅞- —
edible, 76°, dms. (returnable), c.l..lb. .07⅞- —
l.c.l. .....lb. .08¼- —
tanks .....lb. .07 - —
Cod, Norwegian, shipt., bbls., gal. No prices
Codliver, med., USP, bbls..bbl.65.00 -70.00
Coriander, bots.....lb.13.00 -15.00
Corn, crude, tanks, wks....lb. .05½- .05⅝
ref'd., bbls.....lb. .08¼- .08⅜
Cottonseed, cooking, bbls....lb. .08⅝- —
salad, bbls.....lb. .09 - —
import, Brazilian, semi-ref., bulk..lb. No prices
Creosote (see C).
Croton, N.F., cns.....lb. 2.50 - 2.75
Cubeb, USP, cns.....lb. 3.50 - 3.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 6.50 - 7.00
Cypress, dom., bots.....lb. 5.25 - 5.50
import, cns.....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk. ...bbl. 1.80 - 1.95
California, 24 plus, bulk...bbl. 1.55 -
Dill seed, bots.....lb. 4.50 - 5.00
weed, bots.....lb. 5.50 - 6.00
Dip (see L).
Erigeron, cns.....lb. 2.25 - 2.30
Eucalyptus, cns.....lb. .70 - .72
dms. .....lb. .68 - .70
Fennel, sweet, cns.....lb. 3.00 - 3.25
Fuel, bunker, California, tide-water..bbl. .65 - .75
Gulf Coast, at terminal..bbl. .80 - —
Louisiana, Arkansas, 10-14, bbl. .85 - 1.00
N. Y. and N. J. terminals:—
Monday .....bbl. 1.35 - —
Tuesday .....bbl. 1.35 - —
Wednesday .....bbl. 1.35 - —
Thursday .....bbl. 1.35 - —
Friday .....bbl. 1.35 - —
Saturday .....bbl. 1.35 - —
North Texas, 18-22.....bbl. .75 - .85
24-28, zero cold test....bbl. 1.00 - 1.10
Oklahoma, 18-22.....bbl. .75 - .85
24-28, zero cold test....bbl. 1.00 - 1.05
24-28, 15 and above....bbl. .80 - .85
Pennsylvania, 36-40.....gal. .04 - —
Furnace, Bayonne, 1, bulk, refinery..gal. .0590- .06⅝
2, bulk, same basis.....gal. .0440- .05
4, bulk, same basis.....gal. .0390- .04⅝
Louisiana - Arkansas, 23-36, light straw..gal. .03⅛- .03⅝
Oklahoma, 28-30.....gal. .03 - —
32-36 .....gal. .03¼- .03⅝
36-38 .....gal. .03⅜- .03⅞
38-40 zero, 60 e.p.....gal. .03⅝- —
Fusel (see F).
Gas, Bayonne, bulk.....gal. .0540-.0560
Gulf Coast, bulk.....gal. .03½- —
North Texas, bulk.....gal. .02⅝- .02⅞
Oklahoma, bulk.....gal. .02⅝- .02⅞
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., lb. 3.75 - 4.00
Bourbon, cns.....lb. 3.50 - 3.75
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.85 - 1.90
Grapeseed, dms.....lb. .40 - .45
Ginger, dist., bots.....lb. 4.10 - 4.25
Guaiac wood, concrete, bots..lb. 2.80 - 2.85
Haarlem, imported, bots..gross. No prices
Hemlock, cns.....lb. .65 - .70
Juniper berry, USP, cns.....lb. 4.00 - 4.50
wood, tech., cns.....lb. .45 - —
Juniper tar, USP XI, cns....lb. .40 - .45
Lard, common, 1, bbls.....lb. .07¼- —
2, bbls.....lb. .07⅛- —
extra, bbls.....lb. .07¾- —
1, bbls.....lb. .07⅛- —
winter, strained, bbls....lb. .08 - —
prime, burning, bbls.....lb. .08¾- —
prime, ined., bbls.....lb. .08¼- —
Laurel, bots.....lb. 4.50 4.60
Lavandin, cns., 25 lbs.....lb. 3.25 - 3.50
Lavender flower, French, 50% ester, cns..lb. 6.00 - 6.25
38-42% ester, cns.....lb. 4.25 - 4.50
35-38% ester, cns.....lb. 3.75 - 4.00
30-32% ester, cns.....lb. 3.50 - 3.75
garden, cns.....lb. .42 - .45
spike, Spanish, tech., cns..lb. 1.20 - 1.85
dms. .....lb. 1.15 - 1.70
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns.....lb. 4.75 Nom.
Terpeneless, Type 1.....lb.10.50 -16.50
Type 2.....lb. 8.35 -14.50
Lemongrass, native, cns., dms. lb. .70 - .73
Lime, dist., cns.....lb. 5.00 - 5.50
expressed, cns.....lb. 7.50 - 7.75
Terpeneless, Type 1.....lb.70.00 -78.00
Type 2.....lb.42.00 -46.50
Linaloe wood, cns.....lb. 1.30 - 1.35
Linseed, raw, dms., c.l.....lb. .0910-.0930
l.c.l., 10 to 69.....lb. .0950-.0970
5 to 9.....lb. .0970-.0990
less than 5.....lb. .0990-.1010
tanks .....lb. .0850-.0870
Boiled linseed oil .004 cents over raw.
Lovage, bots.....lb.41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal):—California, green, 70, 80, 100, vis., dms.....gal. .20 - —
140 vis., dms.....gal. .25 - —
green, pale, 750, 900 vis., dms..gal. .26 - —
200, 300, 350, 400, 450, 500, 600, 700 vis., dms..gal. .26 - —
Oil, lubricating, at refinery—
Oklahoma, bright stocks, 100-110 D. color 4, 0-10 pour, tanks..gal. .18 - —
15-25 pour, tanks..gal. .19 - —
150-160 D. color 4½, 0-10 pour, tanks..gal. .19 - —
15-25 pour, tanks..gal. .17 - —
150-160 D. color 5½, 15-25 pour, tanks..gal. .17 - —
190-200 D, color 4¼, 15-25 pour, tanks..gal. .14 - —
neutrals, 0-10 pour, 150 vis., 3 colors, tank..gal. .08 - —
180 vis., 5 color, tanks, gal. .10½- —
4 color, tanks.....gal. .10½- —
200 vis., 3 color, tanks, gal. .12 - —
4 color, tanks.....gal. .11½- —
250 vis., 3 color, tanks, gal. .14 - —
4 color, tanks.....gal. .14 - —
280 vis., 3 color, tanks, gal. .13 - —
4 color, tanks.....gal. .13½- —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Pennsylvania, bright stocks, 8 color, 140-150 vis., 545-550 flash, 10 pour, tanks..gal. .18½- —
15 pour, tanks.....gal. .17½- —
25 pour, tanks.....gal. .14 - .16
cylinder oil, 600 flash, tanks..gal. .12 - .13
630 flash, tanks.....gal. .14 - .15
600 steam refined, tanks, gal. .09 - .10
650 steam refined, tanks, gal. .11 - .12
Neutrals, 150 vis., 70°F., 3 color, 400-405 flash, zero pour, tanks..gal. .22½- —
10 pour, tanks.....gal. .21½- —
15 pour, tanks.....gal. .20½- —
25 pour, tanks.....gal. .19 - .20
200 vis., 70°F., 3 color, 420-422 flash, zero pour, tanks..gal. .24½- —
10 pour, tanks.....gal. .23½- —
15 pour, tanks.....gal. .22½- —
25 pour, tanks.....gal. .21 - .22
Mace, dist., cns., dms.....lb. 2.60 - 2.70
Mandarin, superior, coppers..lb.10.00 -11.00
Menhaden, crude, tanks, f.o.b. Balto..gal. .35 Nom.
refd., alkali, dms.....lb. .0730- —
tanks .....lb. .0670- —
blown, dms.....lb. .0750- —
kettle-bodied, dms.....lb. .0850- —
light-pressed, dms.....lb. .0670- —
tanks .....lb. .0610- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, bots., cns., lb. 1.60 - 1.70
dist., natural, bots.....lb. 8.50 - 9.00
Neatsfoot, 20° cold test, bbls., lb. .16¾- —
extra, bbls.....lb. .07¾- —
1, bbls.....lb. .07⅛- —
prime, bbls.....lb. .08 - —
pure, bbls.....lb. .11¾- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots.....lb. 200.00-325.00
Nutmeg, USP, cns., dms....lb. 2.60 - 2.70
Oleo, 1, bbls.....lb. .07½- —
2, bbls.....lb. .07¼- —
Oiticica, dms.....lb. .17½- .18¼
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. 1.45 Nom.
edible, dms.....gal. 2.35 Nom.
foots, dms.....lb. .08¾ Nom.
sulphonated, 50%, (42% fat), dms., c.l..lb. .09½- —
l.c.l. .....lb. .10½- —
75% (63% fat), dms., c.l..lb. .12½- —
l.c.l. .....lb. .13½- —
80% (68% fat), dms., c.l., lb. .127 - —
l.c.l. .....lb. .137 - —
Orange, sweet, dist., cs.....lb. .90 - —
expressed, African, cns., dms., lb. 1.10 - 1.15
Calif., cns.....lb. 2.00 - —
Florida, cns.....lb. 1.25 - 1.30
Messina, USP, coppers...lb. 8.00 Nom.
West Indies, cns.....lb. 2.00 - 2.10
terpeneless .....lb.42.00 -50.00
Origanum, cns.....lb. 1.80 - —
Orris, Florentine, concrete, extra strong, bots..oz. 5.50 - 6.00
Palm, Niger, dms.....lb. .04 Nom.
shipment .....lb. .03½ Nom.
softs, 12½%, bulk, shipt....lb. .02¾ Nom.
Sumatra, shipt., bulk.....lb. .02½ Nom.
Palmarosa, cns.....lb. 2.25 - 2.50
Paraffin, 320° flash, 60-70 vis., tanks, G.S..gal. .05¼- —
350° flash, 70-80 vis., tanks, G.S..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G.S..gal. .05⅝- —
Patchouli, bots., cns.....lb. 7.00 - 8.00
Peanut, crude, dom., tanks..lb. .05⅞- .06
refd., edible, bbls.....lb. .08¾- .09
Pennyroyal, dom., cns.....lb. 8.00 Nom.
import, cns.....lb. 2.50 - 2.75
Peppermint, natural, cns., dms., lb. 2.65 - 2.90
redist., USP, cns., dms....lb. 2.90 - 3.15
Perilla, dms.....lb. .18½ Nom.
tanks .....lb. .17½ Nom.
Petitgrain, Paraguay, cns....lb. 1.50 - 1.55
Pimento berry, cns.....lb. 4.35 - 7.25
leaf, cns.....lb. 2.40 - 2.50
Pine, dest.-dist., straw-color, dms., dlvd., E. ports..gal. .50 - .55
steam-dist., dms.....gal. .59 - —
tanks .....gal. .54 - —
Pineneedle, Siberian, cns....lb. 1.35 - 1.40
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22¼- —
contracts .....gal. .19¼- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Bost., Provid..gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, blown, bbls.....lb. .17½ Nom.
denat., bbls. .....gal. 1.10 - 1.15
Red, dist. or saponif., dms., dlvd..lb. .06¾- .07¾
tanks, dlvd.....lb. .06¼- —
Rose, artif., bots.....oz. 1.35 - 2.25
natural, coppers.....oz. 5.75 -22.50
Rosemary, Spanish, cns.....lb. .67 - .68
dms. .....lb. .62 - .63
Rosin, 1st rectfd., dms.....gal. .42 - —
2d rectfd., dms.....gal. .44 - —
3d rectfd., dms.....gal. .48 - —
Rue, bots.....lb. 3.00 - 3.25
Sage, cns.....lb. 2.00 - 3.00
Sandalwood, E. I., USP, cns.lb. 5.25 - 5.50
Mysore, cns., case lots....lb. 5.50 - 5.75
Sardine, crude, tanks, Pac. Cst., gal. .37 Nom.
refd., alkali, dms.....lb. .0730- —
tanks .....lb. .0670- —
kettle-bodied, dm.....lb. .0850- —
Oil, sardine, light-pressed, dm.lb. .0670- —
tanks .....lb. .0610- —
Sassafras, artif., cns.....lb. .83 - .84
dms. .....lb. .80 - .81
natural, cns., dms.....lb. 1.15 - 1.20
Savin, cns.....lb. 2.20 - 2.25
Savory, cns.....lb. 8.50 - 8.75
Sesame, refd., dom., dms....lb. .16 Nom.
Shingle stain, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 9.50 -10.00
Soybean, dom., crude, dms..lb. .06 - .06½
tanks .....lb. .05½- —
refd., dms.....lb. .06⅞- .07⅛
tanks .....lb. .06½- .06⅝
Spearmint, dms.....lb. 2.25 - 2.30
Sperm, bleach, 38°, dms....lb. .1100- —
45° dms.....lb. .1030- —
natural, dms.....lb. .0980- —
Spruce, cns., dms.....lb. .65 - .70
Sweet, birch, North, cns.....lb. 2.25 - 2.65
South, cns.....lb. 1.55 - 1.70
Tall, crude, dms., c.l., works, ton.40.00 - —
l.c.l., works.....ton.45.00 -50.00
tanks, works.....ton.30.00 -
distilled, dms., c.l., dlvd...lb. .05½- .07
l.c.l., dlvd.....lb. .06½- .08¼
tanks, dlvd.....lb. .05 - .06⅝
refined, dms., c.l., works...lb. .04 - —
l.c.l., works.....lb. .04½- —
tanks, works.....lb. .03½- —
Tallow, acidless, bbls.....lb. .07¼- —
tanks .....lb. .06⅞- —
Tansy, cns.....lb. 5.75 - 6.00
Tar, pine, com'l, dmc., c.l., dlvd. E. cities..gal. .26 - —
E. ports, c.l.....gal. .25 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .20 - —
rectfd., USP, bbls., l.c.l., dlvd., E. ports..gal. .55 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .12½ Nom.
Tea Tree (see Oil, Ti tree).
Thyme, NF, red, dms.....lb. .80 - 1.75
white, dms.....lb. .95 - 1.95
Tung (see Oil, chinawood).
Ti tree, cns.....lb. 2.30 - 2.80
Turkey red (see castor, sulphonated).
Turpentine (see T).
Turtle, cns.....gal. 6.00 - —
Valerian, bots.....lb. 8.00 - 9.00
Vetiver, bots.....lb. 3.75 -15.00
Whale, ref., natural, dms..lb. .0910- —
winter, bleach, dms.....lb. .0950- —
Wheat germ, cns., dms....gal.17.50 -25.00
White, mineral, dom., dms., tech., 50-60 vis., dms.gal. .33 - .34
65-75 vis., dms.....gal. .37 - .43
80-90 vis., dms.....gal. .38 - .44
USP, 89-90 vis., dms....gal. .41½- .47
95-105 vis., dms.....gal. .50 - .51
125-135 vis., dms.....gal. .56 - .57
140-150 vis., dms.....gal. .57½- .59½
175-185 vis., dms.....gal. .63½- .64½
200-210 vis., dms.....gal. .66½- .67½
320-330 vis., dms.....gal. .73½- .76½
335-345 vis., dms.....gal. .76 - .77
Russian, 80-90 vis., dms.gal. No prices
145-155 vis., dms.....gal. No prices
175-185 vis., dms.....gal. No prices
335-345 vis., dms.....gal. No prices
Wintergreen, natural, North, cns..lb. 4.35 - 5.00
South, cns.....lb. 3.05 - 3.75
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 4.35 - 4.45
Wormwood, cns.....lb. 5.40 - 5.85
Ylang-ylang, Bourb., bots., cns. lb. 3.00 - 8.00
Manila, bots.....lb.18.00 -22.00
Olivine, aggregate, c.l., mines, ton. 7.00 -11.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
ground, 325 mesh c.l., mines, ton.20.00 - —
200 mesh, c.l., mines....ton.17.00 - —
100 mesh, c.l., mines....ton.15.00 - —
20 mesh to dust.....ton.12.00 - —
Opium USP, cns.....lb.11.50 -12.50
gran., cns.....lb.12.50 -13.50
powd., cns.....lb.12.50 -13.50
Orange Lake, Persian, bbls....lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .10¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .11¼- —
Colo., Mont., N. M., Wyo..lb .11 - —
Other points.....lb. .10¼- —
smaller lots, dlvd., Ala., etc. lb. .11¼- —
Ariz., etc.....lb. .11¾- —
Colo., Mont., N. M., Wyo..lb. .11½- —
Other points.....lb. .11 - —
French, Tours, casks, ex dock..lb. .13½- —
kgs., ex dock.....lb. .14½- —
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .45 - .50
Orange peel, bitter, bls.....lb. .09 - .10
sweet, bls.....lb. .11 - .12½
Orris root, Florentine, bgs....lb. .45 - .50
fingers, cs.....lb. 1.35 - 1.70
powd., bbls., bxs.....lb. .48 - .53
Verona, bls.....lb. .34 - .35
powd., bxs., cs.....lb. .37 - .38
Orthoanisidin, bbls.....lb. .70 - —
Orthochloroanilin, dms.....lb. .60 - .75
Orthochlorophenol, dms.....lb. .82 - —
Orthocresol, dms., c.l., works.lb. .16 - —
l.c.l., same basis.....lb. .16½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - —
l.c.l., same basis.....lb. .07 - —
100-lb. tins, same basis.lb. .08 - —
50-lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroanilin, dms.....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .80 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange extract, cryst., bbls., lb. .21 - —
liquid, 42°, bbls.....lb. .09 - —
51°, bbls.....lb. .10 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.65 - 4.00
Orthotoluene hydrochloride, dms.lb. .22 - —
Sulphonate, kgs.....lb. 2.00 - 2.05

P

Papain, powd., cs	lb.	1.45 - 1.80
Paprika, Bulgarian, bgs	lb.	.30½- .32
Hungarian, extra fancy, bgs.	lb.	.40 - .41
medium, bgs	lb.	.37 - .38
Portuguese, extra fancy, bgs.	lb.	.33 - .34
fancy, bgs	lb.	.32 - .33
Spanish, fancy, cs	lb.	.38 - .39
Parachlorophenol, dms	lb.	.32 - —
Paracymene, refd., dms	gal.	.75 - 1.25
Paradichlorobenzene, dms., c.l.	lb.	.11 - .12
l.c.l.	lb.	.12½- .15½
Paraffin, crude, scale, white 122-124 A.m.p., bgs., c.l., Okla., refy.	lb.	.02¼- —
bbls., c.l., N.Y.	lb.	.02⅝- —
124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.02½- .02¾
bbls., c.l., N.Y.	lb.	.02⅝- .02½
yellow, 124-126 A.m.p., bbls., c.l., N.Y.	lb.	.02¾- —
fully refd., bgs., 123-125 A.m.p., bgs., c.l.	lb.	.0570- —
125 A.m.p., bgs., c.l.	lb.	.0570- —
128-130 A.m.p., bgs., or loose, c.l.	lb.	.0570- —
131-133 A.m.p., bgs., or loose, c.l.	lb.	.0595- —
133-135 A.m.p., bgs., or loose, c.l.	lb.	.0625- —
135-137 A.m.p., bgs., or loose, c.l.	lb.	.0650- —
138-140 A.m.p., bgs., or loose, c.l.	lb.	.0725- —
143-145 A.m.p., bgs., or loose, c.l.	lb.	.0820- —
151-153 A.m.p., bgs. or loose, c.l.	lb.	.15 Nom.

Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars 1-5c. lower.

match, A.m.p. up to and incl. 110-112 bbls., c.l.	lb.	.03½- —
semirfd., solid, 122-124 A.m.p., bgs.	lb.	.03 - —
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C.	lb.	.54 - —
100 to 900 lbs. shipments, same basis	lb.	.55 - —
Paraldehyde, tech., 98%, 55 and 110 gal. dms., c.l., works.	lb.	.10 - —
l.c.l., works	lb.	.11¼- —
5 and 10-gal. dms., works.	lb.	.15 - —
USP, cs., cbys	lb.	.37 - .45
Paranisidine, dms	lb.	.75 - —
Paranitroanilin, kgs., works	lb.	.47 - —
Paranitrochlorobenzene, kgs	lb.	.15 - —
Paranitrophenol, kgs	lb.	.35 - —
Paranitrotoluene, kgs	lb.	.30 - —
Paraphenylenediamine, bbls	lb.	1.25 - 1.30
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls	lb.	.48 - —
Pareira brava root, bls	lb.	.20 - .21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.	lb.	.23 - .25
less car lot, same basis.	lb.	.24 - .26
Passion flower, herb. bls	lb.	.08 - .09
Patchouli leaves, bls	lb.	.28 - .30
Pellitory root, bls	lb.	.30 - .32
Pennyroyal leaves, bls	lb.	.15 - .16
Pentane norm., 28-38°, dm., c.l., G.3.	gal.	.11½- —
l.c.l., G.8	gal.	.16 - —
tanks, G.3	gal.	.08½- —
laboratory grade, dms., c.l., G.3.	gal.	.14 - —
l.c.l., G.3	gal.	.25 - —
Pepper, black, Aleppey, bgs.	lb.	.06½- .06¾
Lampong, bgs	lb.	.03½- .03⅝
Tellicherry, bgs	lb.	.06½- .07
Red, chillies, Japan, Hontaka.	lb.	.17 - .17½
Mombassa, bgs	lb.	.28½- .29
White, Java, Muntok, bgs.	lb.	.07¼- .07⅝
Singapore, Muntok	lb.	.07¼- .07⅝
Peppermint leaves, dom., bls.	lb.	.40 - .45
imports, bls	lb.	.75 - .80
Perchlorethylene, dms., c.l., works, frt. alld., zone 1.	lb.	.08 - —
l.c.l., same basis	lb.	.08½- —
Zone 2, dms., c.l., works, frt. alld.	lb.	.08¾- —
l.c.l., same basis	lb.	.09 - —
Zone 3, dms., c.l., works, frt. alld.	lb.	.09 - —
l.c.l., same basis	lb.	.09½- —
Zone 4, dms., c.l., f.o.b. stock points.	lb.	.09 - —
	lb.	.09 - —
l.c.l., same basis	lb.	.09½- —

All prices on perchlorethylene are frt. alld. with the exceptions of zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms	lb.	.85 - .90
Petrolatum, amber, dms., c.l.	lb.	.02¾- —
l.c.l.	lb.	.03¾- —
amber, extra, dms	lb.	.03 - —
l.c.l.	lb.	.04 - —
veterinary, dms., c.l.	lb.	.03⅞- —
white, cream, dms., c.l.	lb.	.04 - —
l.c.l.	lb.	.05½- —
lily, dms., c.l.	lb.	.04¾- —
l.c.l.	lb.	.06¼- —
snow, dms., c.l.	lb.	.05½- —
l.c.l.	lb.	.07½- —
Petroleum, crude, bulk, at wells:—		
California	bbl.	.42 - 1.75
Canada	bbl.	2.10 - 2.17
Central West:—		
Illinois	bbl.	.53 - 1.00
Lima	bbl.	.90 - —
Michigan	bbl.	.82 - 1.08
Princeton	bbl.	1.05 - —
East Texas	bbl.	1.10 - —
Gulf Coast	bbl.	.74 - 1.41
Kentucky, Tennessee	bbl.	1.02 - 1.10
Louisiana, Arkansas	bbl.	.73 - 1.20
Mexico	bbl.	No prices
Midcontinent:—		
North Texas	bbl.	.51 - 1.10
Oklahoma-Kansas	bbl.	.58 - 1.10
Pennsylvania, Ohio, West Virginia:—		
Bradford, Allegany	bbl.	2.00 - —
Corning	bbl.	1.17 - —
Buckeye lines	bbl.	.95 - —
N. Y. Transit lines	bbl.	2.00 - —
Eureka lines	bbl.	1.59 - —
S. W. Penn lines	bbl.	1.65 - —
lower district in National Transit lines.	bbl.	1.88 - 1.93
Rocky Mountains	bbl.	.51¼- 1.30
South Central and Southwestern Texas.	bbl.	.73 - 1.27
Texas Panhandle	bbl.	.67 - .96
West Texas	bbl.	.53 - .96
Petroleum, ether, 30-60°, dms., c.l., G.3.	gal.	.14½- —
l.c.l., G.3	gal.	.25½- —
tanks, G.3	gal.	.13½- —
35-60°, dms., l.c.l., G.3	gal.	.20½- —
40-75°, dms., c.l., G.3	gal.	.14½- —
l.c.l., G.3	gal.	.25½- —
tanks, G.3	gal.	.13½- —
laboratory grade, dms., c.l., G.3.	gal.	.14½- —
c.l., G.3	gal.	.25½- —
10-gal. lots, G.3	gal.	.30½- —
Lacquer, diluent, at refinery:—		
California, 100 i.b.p., 200 e.p., tanks, dlvd. Los Angeles.	gal.	.11 - —
San Francisco.	gal.	.11½- —
f.o.b. Richmond	gal.	.11 - —
Calif., Willbridge, Ore., Ft. Wells, Wash.	gal.	.12 - —
East Coast, tanks	gal.	.09½- .10
Group 3, toluol type, tanks,	gal.	.07⅞- —
benzol type, tanks	gal.	.07⅞- —
Naphtha, cleaners,' at refinery:—		
East Coast, tanks	gal.	.09 - .10⅛
Group 3, tanks	gal.	.06⅞- .07
tankwagon, Boston, ex tax.	gal.	.13½- —
Bridgeport	gal.	.13½- —
Chicago, inc. 4c. tax.	gal.	.18 - —
Decatur, inc. 4c. tax.	gal.	.1910- —
tankwagon, Des Moines, inc. 4c. tax.	gal.	.1890- —
Des Moines, inc. 4c. tax,	gal.	.1890- —
Evansville, inc. ex tax.	gal.	.15 - .16
Milwaukee, inc. 5c. tax.	gal.	.2030- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20½- —
Petroleum, naphtha, cleaners, tankwagon, Newark, ex tax.	gal.	.10½- —
New York, ex tax	gal.	.10½- —
Omara, ex tax	gal.	.1490- .1590
Oklahoma City, ex tax.	gal.	.16½- —
Philadelphia, ex tax.	gal.	.12 - —
St. Louis, inc. 1c. tax.	gal.	.16½- —
Syracuse, 150 gals.	gal.	.14½- —
smaller lots, galv. drums.	gal.	.10 - —
milk cans	gal.	.21 - —
High-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway.	gal.	.20 - —
2, over 90% arom., same basis.	gal.	.21 - —
3, same basis	gal.	.22 - —
8, tanks, f.o.b. Paulsboro, N. J.	gal.	.16½- —
30, same basis	gal.	.17½- —
40, same basis	gal.	.17⅝- —
v.m.&p., at refinery—		
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo.	gal.	.11 - —
Richmond	gal.	.11½- —
Willbridge, Ore., Ft. Wells, Wash.	gal.	.12 - —
54-57, 190 i.b.p., 310 e.p., tanks, dlvd. Los Angeles,	gal.	.10 - —
San Francisco	gal.	.10½- —
Portland, Seattle	gal.	.11 - —
East Coast, tanks	gal.	.09½- —
Group 3, tanks	gal.	.06⅞- .07
tankwagon, Boston, ex tax.	gal.	.14½- —
Chicago, inc. 4c. tax.	gal.	.17 - —
Des Moines, inc. 4c. tax.	gal.	.1890- —
Decatur, inc. 4c. tax.	gal.	.1910- —
Petroleum, naphtha, v.m.& p., tankwagon, Evansville, Ind., ex tax.	gal.	.1520- .1620
Milwaukee, inc. 5c. tax.	gal.	.2030- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20 - —
Newark, ex tax	gal.	.11½- —
New York, ex tax	gal.	.10½- —
Omaha, ex tax	gal.	.1490- .1590
Philadelphia, ex tax.	gal.	.13 - —
St. Louis, inc. 1c. tax.	gal.	.1570- —
solvent, rubber, at refinery, East Coast, tanks.	gal.	.09½- —
Group 3, light, 120 i.b.p., 250 e.p., tanks.	gal.	.06⅞- .07
standard, 180 i.b.p., 288 e.p., tanks.	gal.	.06⅝- .07
Stoddard (CS 3-38), at refinery:—		
East Coast, tanks	gal.	.06¾- .06¼
Group 3, tanks	gal.	.06⅝- .06⅛
tankwagon, Boston, ex tax,	gal.	.14 - —
Chicago, inc. 4c. tax.	gal.	.1640- —
Decatur, inc. 4c. tax.	gal.	.1860- —
Des Moines, inc. 4c. tax.	gal.	.1840- —
Evansville, Ind., ex tax.	gal.	.14 - .15
Milwaukee, nc. 5c. tax.	gal.	.1990- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.1820- —
Newark, ex tax	gal.	.09½- —
New Orleans, ex tax.	gal.	.11 - —
New York, ex tax	gal.	.09¼- —
Omaha	gal.	.1360- .14⅛
Philadelphia, ex tax.	gal.	.13 - —
St. Louis, inc. 1c. tax.	gal.	.1340- —
Tulsa, ex tax	gal.	.10¼- .11⅛

The last chapter on Shell Naphthas has never been written and never will be...

The reason why the story will never end is the Shell Naphtha Technician. An experienced chemical engineer, this man is one of a staff whose time is devoted solely to the study of naphthas.

Knowing the uses and characteristics of present naphthas is not enough for this man. Equally important to him is the development of new and better uses—the discovery of new and better naphthas. Each problem solved, each new advance is the signal for further research.

This man will approach your problems in the same light. Ask the nearest Shell Office to have one of these Technicians call on you.

SHELL

SHELL NAPHTHAS

Pet. Thinners—Salt

Petroleum thinners, tankwagon, tax included:—
California, 166-252 b.r., 59.5 a.p.i., tanks, ex tax, Los Angeles..gal. .10 - —
Portland .....gal. .11 - —
San Francisco.....gal. .10½- —
Seattle .....gal. .11 - —
198-290 b.r., 56.4 a.p.i., tanks, ex tax, Los Angeles..gal. .10 - —
Portland .....gal. .11 - —
San Francisco.....gal. .10½- —
Seattle .....gal. .11 - —
246-397 b.r., 47.7 a.p.i., tanks, ex tax, Los Angeles..gal. .10 - —
Portland .....gal. .11 - —
San Francisco.....gal. .10½- —
Seattle .....gal. .11 - —
312-406 b.r., 40.8 a.p.i., tanks, ex tax, Los Angeles..gal. 08½- —
Portland .....gal. .09½- —
San Francisco.....gal. .09 - —
Seattle .....gal. .09½- —
318-393 b.r., 35.2 a.p.i., tanks, ex tax, Los Angeles, gal. .13 - —
Portland .....gal. .14 - —
San Francisco.....gal. .13 - —
Seattle .....gal. .14½- —
East Coast, 43-47, tanks..gal. .08¾- .09½
47-49, tanks.....gal. .10½- —
New Jersey, tanks.....gal. .09 - —
Group 3, tanks.....gal. .05½- —
tankwagon, tax included:—
Albany .....gal. .13½- —
Baltimore (100 gals.)...gal. .14 - —
25-99 gals.....gal. .16 - —
Boston .....gal. .13½- —
Bound Brook, North Amboy, N. J..gal. .13½- —
Bridgeport, Conn.....gal. .11½- —
Buffalo .....gal. .15½- —
Camden, N. J.....gal. .10 - .11½
Chicago .....gal. .1670- —
Decatur .....gal. .1810- —
Des Moines.....gal. .1790- —
Evansville, Ind.....gal. .1420- .1520
Milwaukee .....gal. .1930- —
Minneapolis-St. Paul...gal. .19½- —
Newark .....gal. .09½- —
New York (200 gals.)...gal. .09½- —
Omaha .....gal. .1360- .1460
Philadelphia .....gal. .12½- —
Pittsburgh .....gal. .11½- .13½
Providence .....gal. .13 - —
Rochester .....gal. .12½- —
St. Louis.....gal. .1470- —
Syracuse .....gal. .10½- —
Trenton .....gal. .10½- —
Wilmington, Del.....gal. .12½- —
Phenobarbital, 5-lb. bots.....lb. 3.95 - —
bots. or cns., 100 lbs., spot or contract..lb. 3.69 - —
25-lb. cns.....lb. 3.85 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .13 - —
l.c.l., same basis.....lb. .13¾- —
under 1,000 lbs.....lb. .14¾- —
tanks, works.....lb. .12 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .89
yellow, fib. dms., 2,000-lb. lots, lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.10 - 2.50
Dimethylacetate, cns.....lb. 14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.45 - 2.50
Phenylethylphenyl acetate, bots., lb. 7.90 -15.50
Phenylhydrazine, base, CP, bots. lb. 4.00 - —
hydrochloride, CP., bots., works. lb. 4.60 - —
commercial, kgs., works....lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phloroglucinol, CP, tins, wks..lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
70% min., bulk, mines.. long ton. 2.15 - —
land pebble, 72% min., bulk, mines..long ton. 2.40 - —
75% basis, 74% min., bulk, mines..long ton. 2.90 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .16
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons. lb. .35 - —
single bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld., E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .13 - .14
Pilocarpine hydrochloride, bots., vis..oz. 3.25 - 3.75
Nitrate bots., vis.....oz. 3.15 - 3.65
Pimento, bgs.....lb. .16½- .17
Pinkroot, bls.....lb. .40 - .41
Pitch, burgundy (see B)
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
Hardwood, 1-time, dms., c.l., dlvd. Akron..ton. 23.75 -24.00
Linseed, dms.....lb. .05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls.....bbl. 6.00 - 6.50
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss..lb. 4.50 - 4.70
Poke root, bls.....lb. .07 - .07½
Pomegranate bark, bgs.....lb. .52 - .53
Root bark, bgs .....lb. .47 - .48
Poppy flowers, red, bls.....lb. .85 - .90
Seed, Dutch, bgs.....lb. .19½- .20
Turkish, bgs.....lb. .16½- .17
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd...lb. .26 - —
kgs., dlvd.....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .32 - —
Arsenite, USP, solut., cbys., 100 lbs. .11 - —
demj., 50 lbs.....lb. .12 - —
Potash, bicarbonate, USP, cryst., bbls., 300 lbs..lb. .18 Nom.
kgs., 100 lbs.....lb. .20 Nom.
gran., bbls., 250 lbs.....lb. .18 Nom.
kgs., 100 lbs.....lb. .20 Nom.
Bichromate, spot, c.l., works.lb. .08¾- —
5 casks, or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fib., dms., 100 lbs.....lb. .28 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
fluid, dms., c.l., works, frt. alld..lb. .08 - —
l.c.l., dms., same basis.lb. .03125- —
tanks, same basis.....lb. .0275- —
USP, gran., bbls., 325 lbs..lb. .14 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .06½- .06¾
tanks .....lb. .06¼- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .10½- .17
powd., kgs.....lb. .10 - .17
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 Nom.
Chromate, kgs.....lb. .24 - .27
Citrate, USP., gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- —
Cyanide, cns., dms.....lb. No prices
Cyanide, gold, 11% gold, bots., works..oz. 14.20 -14.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys., or cns., lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Guaiacolsulphonate, fib., dms., 100-lb. lots..lb. 1.60 - 1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.55 - —
cns., 25 lbs.....lb. 3.46 - —
Iodide, bbls., 250 lbs.....lb. 1.35 - —
bots. or cns.....lb. 1.54 - 1.80
dms.....lb. 1.45 - 1.48
Kainit, 20% K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. No prices
Manure salt, dom., min., 30% K_2O, bulk, ex-vessels, ports. unit-ton. .60 - —
import, 50% K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. No prices

Domestic manure salt prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Prices in bags are $2 per ton higher than bulk prices.

Metabisulphite, kgs.....lb. .15 Nom.
Muriate, dom., min., 50% or 62% K_2O, bulk, ex-vessel ports..unit-ton. .53½- —
import, min. 50% or 60% K_2O, bulk, ex-vessel, Atlantic or Gulf port..unit-ton.. .53½- —
Atlantic or Gulf ports. ton. 82.10 - —

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Price, basis f.o.b. Trona, Cal., are 8c. per unit of K_2O less than the ex-vessel price. Prices in bags are $2 per ton higher than the bulk price.

Oxalate, pure, cryst., kgs...lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports, ton. 55.00 Nom.
Perchlorate, kgs., works.....lb. .09½- .11
Permanganate, tech., dms...lb. .18¼- .19
Prussiate, red, bbls.....lb. .45 Nom.
Yellow, bbls.....lb. .17 - .19
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs..lb. .07 - —
Sulphate, NF, cryst., 400 lbs., bbls..lb. .18 Nom.
100 lb. kgs.....lb. .20 - —
powd., 350 lbs., bbls.....lb. .19 Nom.
100 lb. kgs.....lb. .21 - —
tech., dom., bgs., basis 90%, K_2SO_4, ex-vessel, ports..ton. 36.25 - —
bulk, same basis.....ton. 34.25 - —
imp., min. 90%, bgs., ex-vessel Atl. or Gulf ports..ton. No prices
Xanthate, dms., c.l.....lb. .13 - —
l.c.l. .....lb. .13½- —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt. ton. No prices
Potash-soda ferricyanide, dms., works..lb. .36 - .39
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .45 - —
Prickly ash bark, bls.....lb. .15 - .16
Berries, bgs.....lb. .30 - .35
Prince's pine herb, bls.....lb. .22 - .23
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .65 Nom
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
F and 1, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
O, O-½, O-¾, and ½, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
Ital.-grd., bgs., c.l., ship., ex dock, N.Y..ton. No prices
l.c.l., 5-29 tons, ex whse.. ton. No prices
1,000-10,000 lbs., ex whse. ton. No prices
2 bgs., to 1,000 lbs., ex whse. ton. No prices
single bgs., ex whse..ton. No prices
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Sell test) 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gls., or more, standard brand, odorless..gal. 7.15 - 7.50
Pyrethrum, concentrate (30 to 1), 3.6% pyrethrin, 55-gal. dms. (incl.), frt. alld., or dlvd., on 15 gals. or more, standard brand, colorless, gal. 10.65 -11.00
Pyrethrum flowers, coarse, grnd. (g.d.p.), Japan, bgs., frt. lld., 15 tons or over..lb. .33 - .36
fine powd. Japan, bbls., ton lots frt. alld..lb. .35 - .37
Pyridin, denaturing, dms.....gal. 1.71 - —
refd., 2°, dms.....lb. .51 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. .12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib., dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh, same basis.....ton. 12.00 - —
No. 3., 200 mesh, c.l., mines..ton. 7.50 - —
325 mesh, same basis.....ton. 10.50 - —
Pyroxylin scrap, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works. lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .04 - —
tanks, works.....lb. .03½- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04½- —
clarified, 64%, bgs., c.l., same basis..lb. .04¾- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 51°, bbls..lb. .08½- .09½
solid, dms.....lb. .11 - .16¾
Quicksilver, dom., flasks (76 lbs. net, dlvd., N.Y..flask. 190.00 -196.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance..flask. 207.00 - —
ex store.....flask. 209.00 - —
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, cryst., small, cns..oz. 1.01 - —
large, cns.....oz. 1.03 - —
powd., precip., cns.....oz. .96 - —
Sulphate, cns.....oz. .69 - —

Subject to surcharge of 4c. per oz.; see note under Quinine.

Quinine, 100 ozs., cns.....oz. .80 - —
Acetate, cns.....oz. 1.02 - —
Arsenate, cns.....oz. 1.02 - —
Arsenite, cns.....oz. 1.04 - —
Bisulphate, cns.....oz. .57 - —
Citrate, cns.....oz. .75 - —
Dihydrobromide, bots.....oz. .78 - —
Dihydrochloride, bots.....oz. .78 - —
Ethylcarbonate, cns.....oz. .80 - —
Ferrocyanide, cns.....oz. 1.04 - —
Formate, cns.....oz. .97 - —
Glycerophosphate, cns.....oz. 1.17 - —
Hydrochloride, cns.....oz. .72 - —
Hydrochlorosulphate, cns....oz. .78 - —
Hydroiodide, cns.....oz. 1.02 - —
Hypophosphite, cns.....oz. 1.03 - —
Phosphate, cns.....oz. .86 - —
Salicylate, cns.....oz. .76 - —
Sulphate, USP, X, cns.....oz. .57 - —
USP, XI, cns.....oz. .64 - —
Sulphocarbonate, cns.....oz. 1.03 - —
Tannate, cns.....oz. .60 - —
Tartrate, cns.....oz. 1.00 - —
Valerate, cns.....oz. .96 - —

Quinine buyers must pay a surcharge of 4c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride, cns.oz. .78 - —

Subject to surcharge of 4c. per oz.; see note under Quinine.

R

R. salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .07½- .08
Dutch, black, bgs.....lb. .10 - .10½
red, bgs.....lb. .12 - .12½
Japanese, bgs.....lb. .08 - .08½
Raspberries, dried, bls.....lb. .55 - .60
Red, alizarin lake, bbls., dlvd. N. of Tenn., and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots, same basis. lb. .95 - —
kgs., ton lots, same basis. lb. .95 - —
smaller lots, same basis. lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis. lb. .80 - —
light, shade, kgs., ton lots, same basis..lb. .80 - —
smaller lots, same basis. lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis. lb. .85 - —
kgs., ton lots, same basis. lb. .85 - —
smaller lots, same basis. lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis. lb. 1.05 - —
kgs., ton lots, same basis, lb. 1.05 - —
smaller lots, same basis. lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis. lb. .90 - —
Red, cadmium, lithopone, medium shade, kgs., ton lots, same basis..lb. .90 - —
smaller lots, same basis. lb. .95 - —
Selenide, bbls., dark, works, lb. 2.70 - —
light, works.....lb. 2.40 - —
orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40, dms., 100 lbs...lb. 4.50 - —
50 lbs.....lb. 4.60 - —
cns., 5 lbs.....lb. 4.75 - —
1 lb.....lb. 4.85 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.35 - —
Indian, pure, bbls., f.o.b., Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red oxide).
Lake C toner, bbls., same basis alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Lithol toner, bbls., same basis, alizarin, lake, contracts..lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .25
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake.....lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts, lb. .49 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls. lb. 3.11 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .05 - —
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05½- —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y. lb. .04½- —
Toluidine toner, kgs., same basis alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls, works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermillion, Amer., bbls., same basis alizarin lake..lb. .15 - —
quicksilver, bbls., 5 tons..lb. No prices
smaller lots.....lb. 3.27 - 3.32
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib., dms., 50 lbs. or more..lb. 3.36 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., 200 lb. dms., frt., alld., E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
U.S.P., cryst, 100 lb., dms., frt., alld., E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .12 - .14
Rhodinol, bots.....lb. 5.50 -10.90
Rhubarb, bots.....lb. .55 - .56
powd., bbls., kgs.....lb. .60 - .61
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .25¾- —
smaller lots.....lb. .26¼- —
powd., bbls., 5,000 lbs., 1 ship't..lb. .24¾- —
smaller lots.....lb. .25¼- —
Rose flowers, pale, bls.....lb. .55 - .60
red, bls.....lb. 2.50 - 3.00
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .09 - .10
Rosin, gum, B, bbls. ex dock 100 lbs. 1.70 - —
D, bbls.....100 lbs. 1.75 - —
E, bbls.....100 lbs. 1.82 - —
F, bbls.....100 lbs. 1.94 - —
G, bbls.....100 lbs. 1.94 - —
H, bbls.....100 lbs. 1.94 - —
I, bbls.....100 lbs. 1.94 - —
K, bbls.....100 lbs. 1.98 - —
M, bbls.....100 lbs. 2.03 - —
N, bbls.....100 lbs. 2.27 - —
W. G., bbls.....100 lbs. 2.52 - —
W. W., bbls.....100 lbs. 2.76 - —
X, bbls.....100 lbs. 2.90 - —
Rosin, wood, bbls.....280 lbs. 3.50 - 5.00
Rottenstone, dom., bgs., c.l. f.o.b. mines..ton. 25.50 - —
l.c.l., f.o.b. mines....ton. 37.50 - —
import, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .40 - .45
Spanish, tins.....lb. 28.00 -29.00
Safrol, cns.....lb. 1.05 - 1.10
dms.....lb. 1.00 - 1.05
Sage, Dalmatian, stemless.....lb. No stocks
garden, bls.....lb. .36 - .37
Sago flour, bgs.....lb. .04 Nom.
Salicin, bots., 5 lbs.....lb. 7.04 - —
cns., 25 lbs.....lb. 7.00 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N.Y...ton. 13.20 -13.30
l.c.l., bgs., dlvd., N.Y..ton. 15.00 -15.60
vacuum, common, fine, bgs., c.l., dlvd., N.Y..ton. 15.70 - —
l.c.l., dlvd., N.Y.....ton. 16.60 -19.70

Saltcake, grd., dom., bbls., works. ton.	24.00		Nom.
bulk, works ton.	17.00		Nom.
import, bulk, c.i.f. ton.	20.00		Nom.
Chrome (see Chrome cake).			
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls. 100 lbs.	8.10	-	9.10
1-9 tons 100 lbs.	8.25	-	9.25
less than ton lots 100 lbs.	8.50	-	9.50
gran., bbls., 10-20 tons, 100 lbs.	7.10	-	—
1-9 tons 100 lbs.	7.25	-	—
less than ton lots 100 lbs.	7.50	-	—
powd., bbls., 10-20 tons 100 lbs.	8.10	-	—
1-9 tons 100 lbs.	8.25	-	—
less than ton lots 100 lbs.	8.50	-	—
Santonin, cryst., cns. kilo.	145.00	-150.00	
Saponin, crude, cns. lb.	2.25	-	2.50
purified, cns., 25 lbs. lb.	3.00	-	3.25
Sarsaparilla root, Honduras, bls. lb.	.30	-	.31
Mexican, bls. lb.	.14	-	.15
Sassafras, bark, ord., bls. lb.	.15	-	.14
select, bls. lb.	.20	-	.21
Savory, bbls. lb.	.29½	-	.30
Saw palmetto berries, bgs. lb.	.08	-	.09
Scammony root, bgs. lb.	.07	-	.09
resin, lump, cns. lb.	.85	-	—
powd., bxs. lb.	.90	-	—
Schaeffer's salt, bgs. lb.	.46	-	—
Seidlits mixture, bbls., 5,000 lbs., 1 shipmt. lb.	.20½	-	—
smaller lots lb.	.20½	-	—
kegs, 5,000 lbs., 1 shipm't. lb.	.20¾	-	—
smaller lots lb.	.21½	-	—
Selenium, pwd., A, 10-lb. tins lb.	2.00	-	—
100-lbs. cases lb.	1.75	-	—
Senega root, spot, bls. lb.	.57	-	.58
Senna leaves, Alexandria, half leaf, bls. lb.	.16	-	.17
siftings, bgs. lb.	.16	-	.17
Tinnevelly, No. 1, bls. lb.	.12	-	.13
2 bls. lb.	.10	-	.11
3 bls. lb.	.08½	-	.09
powd., bbls., bxs. lb.	.12	-	.13
Pods, bls. lb.	.09	-	.10
Serpentaria root, bls. lb.	.85	-	.90
Shellac, bleached, bonedry, bbls., f.o.b., N.Y. lb.	.25	-	.26
dlvd., Boston lb.	.25½	-	.26½
Chicago lb.	.25¾	-	.26¾
Pacific Coast lb.	.28	-	.29
rfd., bbls., f.o.b. N.Y. lb.	.31	-	.32
dlvd., Boston lb.	.31½	-	.32½
Chicago lb.	.31¾	-	.32¾
Pacific Coast lb.	.34	-	.35
Garnet, bgs. lb.	.19½	-	—
Orange, D.C., VSO., Diamond I, cases lb.	.25½	-	.30
Superfine, bgs., f.o.b. Bost., N. Y. lb.	.14½	-	—
dlvd., Chicago lb.	.15	-	.15½
Pacific Coast lb.	.17½	-	.18
T.N., bgs., f.o.b. Bost., N.Y. lb.	.14	-	.14½
dlvd., Chicago lb.	.14½	-	.15
Pacific Coast lb.	.17	-	.17½
Varnish, Metro., area, orange, 5-lb. cut., bbls. gal.	1.05	-	1.10
4½-lb. cut, bbls. gal.	1.00	-	1.05
4-lb. cut, bbls. gal.	.95	-	1.00
white, 5-lb. cut, bbls. gal.	1.15	-	1.20
4½-lb. cut, bbls. gal.	1.10	-	1.15
4-lb. cut, bbls. lb.	1.05	-	1.10
Prices, dlvd., Boston or Chicago, 10c. per gal. higher.			
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works. ton.	17.00	-	—
l.c.l., 2½ tons, works, ton.	19.00	-	—
smaller lots, works, ton.	20.00	-	—
wet-grd., 95-97%, 325 mesh, bgs., c.l., works. ton.	19.00	-	—
l.c.l., 2½ tons, works, ton.	21.00	-	—
smaller lots, works. ton.	25.00	-	—
400 mesh, bgs., c.l., works, ton.	30.00	-	—
l.c.l., 2½ tons, works, ton.	35.00	-	—
smaller lots, works. ton.	38.00	-	—
96-98%, 325 mesh, bgs., c.l., works. ton.	20.00	-	—
l.c.l., 2½ tons, works. ton.	21.50	-	—
smaller lots, works, ton.	23.00	-	—
99%, 325 mesh, bgs., c.l., works. ton.	22.00	-	—
l.c.l., 2½ tons, works, ton.	25.50	-	—
smaller lots ton.	27.00	-	—
hard-quartz, 99½%, 325 mesh, bgs., c.l., works. ton.	13.50	-	—
l.c.l., works ton.	18.50	-	—
140 mesh, bgs., c.l., works, ton.	11.00	-	—
l.c.l., works ton.	16.00	-	—
Silver, bullion oz.	.84¾	-	—
Govt. purchase, dom., metal, oz.	.7111	-	—
Govt. purchase, foreign metal, oz.	.35	-	—
Cyanide, cns., 2,500 ozs. oz.	No prices		
1,000 ozs. oz.	No prices		
500 ozs. oz.	No prices		
80 to 100 ozs. oz.	No prices		
Nitrate, vis. oz.	.26¾	-	—
Nucleinate, bots., cns., 480-oz. lots. oz.	.30	-	.31
Proteinate, bots., cns., 480-oz. lots. oz.	.29	-	.30
Simarubra barks, bls. lb.	.30	-	.35
Skatol, bots. lb.	75.00	-80.00	
Skullcap, Eastern, bls. lb.	.23	-	.24
Western, bls. lb.	.14	-	.15
Skunk cabbage root, bls. lb.	.11	-	.12
Slate flour, bgs., c.l., works. ton.	9.00	-	—
l.c.l., works ton.	10.00	-15.00	
Sloe berries, bgs. lb.	.20	-	.22
Smalt, black, extra velvet, cnts., lb.	.05	-	.06
Blue, cnts lb.	.07	-	.08¼
Snakeroot, Canada, bls. lb.	.24	-	.26
Soapbark, bls. lb.	.13	-	.14
crushed, bls., bbls. lb.	.17	-	.18
cut, German, bls., bbls. lb.	no stocks		
dom., bbls. lb.	.22	-	.23
powd., bbls. lb.	.20	-	.21
Soda, acetate, anhyd., dms., dlvd. lb.	.08½	-	.10
flake, gran., powd., 60% dms., c.l., dlvd. lb.	.04	-	—
l.c.l., dlvd. lb.	.04½	-	.05
powd., 99%, dms., c.l., dlvd., lb.	.06	-	—
l.c.l., dlvd. lb.	.06¾	-	—
Alginate, dms., bbls., works. lb.	.71	-	.96
Antimoniate, bbls., dlvd. lb.	.14½	-	.15
Arsenate, dms., dealers, c.l., works. lb.	.07	-	.08
l.c.l., dms., works. lb.	.07¾	-	.08¾
Arsenite, dry, gray, dms., c.l., dealers, works. lb.	.06½	-	.07½
l.c.l., dms., works lb.	.07¼	-	.09¼
white, dms., c.l., dealers, works. lb.	.08	-	.09
l.c.l., dms., works. lb.	.08¾	-	.10¾

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Soda, ash, dense, 58%, bgs., c.l., works. 100 lbs.	1.10	-	—
l.c.l., Zone 1 100 lbs.	2.13	-	—
2 100 lbs.	2.28	-	—
3 100 lbs.	2.53	-	—
4 100 lbs.	2.93	-	—
bbls., c.l., works 100 lbs.	1.35	-	—
l.c.l., Zone 1 100 lbs.	2.35	-	—
2 100 lbs.	2.50	-	—
3 100 lbs.	2.75	-	—
4 100 lbs.	3.15	-	—
bulk, c.l., works 100 lbs.	.95	-	—
extra light, 58%, bgs., c.l., 100 lbs.	1.05	-	1.08
l.c.l., Zone 1 100 lbs.	2.08	-	—
2 100 lbs.	2.23	-	—
3 100 lbs.	2.48	-	—
4 100 lbs.	2.88	-	—
bbls., c.l., works 100 lbs.	1.45	-	—
2 100 lbs.	2.60	-	—
3 100 lbs.	2.85	-	—
4 100 lbs.	3.25	-	—
bulk, c.l. 100 lbs.	.90	-	—
light, 58%, bgs., c.l., works, 100 lbs.	1.05	-	1.08
l.c.l., Zone 1 100 lbs.	2.08	-	—
2 100 lbs.	2.23	-	—
3 100 lbs.	2.48	-	—
4 100 lbs.	2.88	-	—
bbls., c.l., works 100 lbs.	1.35	-	—
l.c.l., Zone 1 100 lbs.	2.35	-	—
2 100 lbs.	2.50	-	—
3 100 lbs.	2.75	-	—
4 100 lbs.	3.15	-	—
bulk, c.l. 100 lbs.	.90	-	—

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U. S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia.; parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian, Neb., E. of 98° Meridian; Tex. N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

Benzoate, tech., bbls., 4,000 lbs. or more lb.	.39	-	—
1,000 to 3,900 lbs. lb.	.40	-	—
900 lbs. or less. lb.	.43	-	—
USP, bbls., fib., dms., 4,000 lbs., or more lb.	.46	-	—
1,000 to 3,900 lbs. lb.	.47	-	—
900 lbs. or less. lb.	.50	-	—
Bicarbonate, tech., bbls., c.l., works. 100 lbs.	1.70	-	—
l.c.l. 100 lbs.	2.03	-	—
bgs., c.l. 100 lbs.	1.55	-	1.60
l.c.l. 100 lbs.	1.90	-	1.95
USP, gran., bbls., c.l., works, 100 lbs.	2.25	-	—
powd., bbls., c.l., works, 100 lbs.	1.85	-	—
l.c.l., dlvd. N. Y. 100 lbs.	2.51	-	—
kgs., c.l. 100 lbs.	2.10	-	—
l.c.l., dlvd., N.Y. 100 lbs.	2.76	-	—
Bichromate, spot, c.l., works, lb.	.06¾	-	—
l.c.l., 6 cks. or 10 bbls. or over, works. lb.	.07	-	—
5 cks. or 9 bbls. or less, works. lb.	.07¼	-	—
Bifluoride, bbls. lb.	.11¼	-	.13
Bisulphite, powd., bbls., c.l., bbls., works. 100 lbs.	3.00	-	3.10
l.c.l., works. 100 lbs.	3.50	-	3.60
solution, 32 deg., bbls., c.l., works. 100 lbs.	1.30	-	—
l.c.l., bbls., works. 100 lbs.	1.55	-	—
33 deg., bbls., c.l., works, 100 lbs.	1.35	-	—
l.c.l., bbls., works. 100 lbs.	1.60	-	—
35 deg., bbls., c.l., works, 100 lbs.	1.40	-	—
l.c.l., bbls., works. 100 lbs.	1.65	-	—
44 deg., bbls., works. 100 lbs.	1.55	-	—
l.c.l., bbls., works. 100 lbs.	1.80	-	—
Bromide, USP, gran., bbls., 500 lbs. lb.	.27	-	—
fiber dms., 100 lbs. lb.	.28	-	—
Cacodylate, 1-kilo bots. lb.	6.00	-	—
Carbonate (see Soda ash, soda monohydrated, soda sal).			
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works. 100 lbs.	2.95	-	—
dms., c.l., works. 100 lbs.	2.70	-	—
l.c.l., Zone 1 100 lbs.	3.55	-	4.90
2 100 lbs.	3.70	-	5.05
3 100 lbs.	3.95	-	5.30
4 100 lbs.	4.35	-	5.70
electro process, dms., c.l., works. 100 lbs.	2.70	-	—

l.c.l., same zone prices as ammonia process.

liquid, 47-49%, buyers' tanks, works. 100 lbs.	1.92½	-	—
sellers' tanks, works, 100 lbs.	1.96	-	—
70%, buyers, tanks, works, 100 lbs.	1.97½	-	—
sellers' tanks, works, 100 lbs.	2.00	-	—
solid 76% ammon., process, dms., c.l., works. 100 lbs.	2.30	-	—
l.c.l., Zone 1 100 lbs.	3.15	-	—
2 100 lbs.	3.30	-	—
3 100 lbs.	3.55	-	—
electro process, dms., c.l., works. 100 lbs.	2.30	-	—

l.c.l., same zone prices as ammon. process.

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works. lb.	.06¼	-	—
l.c.l., works lb.	.06½	-	—
powd., bgs., c.l., works. lb.	.06½	-	—
l.c.l. works lb.	.07	-	.08½
Chromate, spot, c.l., works. lb.	.08¼	-	—
l.c.l., 6 cks., 10 bbls. or over, works. lb.	.08⅜	-	—
smaller quantities lb.	.08⅜	-	—
Citrate, USP VIII, 225-lb. bbls., lb.	.18½	-	—
cns., 50-lb. lots lb.	.20½	-	—
25-lb. lots lb.	.22½	-	.23½
kgs., 100-lb. lots lb.	.19½	-	—
USP XI, gran., bbls., 250-lb. lots. lb.	.24	-	—
boxes, 50-lb. lots lb.	.26	-	—
cns., 25-lb. lots lb.	.28	-	.29
kgs., 100-lb. lots lb.	.25	-	—
USP XI, powd., bbls., 250-lb. lots. lb.	.24½	-	—
boxes, 50-lb. lots lb.	.26½	-	—
cns., 25-lb. lots lb.	.29½	-	—
kgs., 100-lb. lots lb.	.25½	-	—
Cyanide, 96-98%, dom., dms. lb.	.14	-	.15
Import, 100%, cs. lb.	No price		

Soda, cyanide, gold, 40% gold, bots., works. oz.	15.85	-17.10	
Diacetate, 33-33⅓% acidity, bbls., dlvd. lb.	.09	-	—
Fluoride, white, 90%, bbls., c.l., frt. alld. lb.	.07	-	—
l.c.l., 10 or over, same basis. lb.	.07½	-	—
1-9, same basis. lb.	.08	-	—
95%, bbls., c.l., same basis, lb.	.07¼	-	—
l.c.l., 10 or over, same basis. lb.	.07¾	-	—
1-9, same basis. lb.	.08¼	-	—

Soda fluoride prices at Los Angeles are f.a.s. works.

Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots. lb.	1.10	-	—
smaller lots. lb.	1.25	-	—
cns., 25 lbs. lb.	1.50	-	—
powd., bbls., 1,000-lb. lots, lb.	1.15	-	—
smaller lots. lb.	1.30	-	—
cns., 25 lbs. lb.	1.55	-	—
Hydrosulphite, dms. lb.	.16	-	.17
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots. lb.	.20	-	.22
Hypophosphite, N. F., cns., 100-lb. lots. lb.	.67	-	—
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd., 100 lbs.	2.25	-	—
bbls., same basis. 100 lbs.	2.45	-	—
l.c.l., bgs., works, frt. equal'd 100 lbs.	2.50	-	—
bbls., same basis. 100 lbs.	2.70	-	—
pea, bgs., c.l., works. 100 lbs.	2.60	-	—
bbls., works. 100 lbs.	2.80	-	—
dms., works. 100 lbs.	3.10	-	—
5,000 lbs. and over, bgs., works. 100 lbs.	2.75	-	3.00
bbls., works. 100 lbs.	2.95	-	3.20
dms., works. 100 lbs.	3.25	-	3.60
2,500 to 5,000 lbs., bgs., works. 100 lbs.	2.85	-	3.10
bbls., works. 100 lbs.	3.05	-	3.30
dms., works. 100 lbs.	3.35	-	3.60
500 to 2,500 lbs., bgs., works, 100 lbs.	3.10	-	3.25
bbls., works. 100 lbs.	3.30	-	3.55
dms., works. 100 lbs.	3.60	-	3.85
less than 500 lbs., bgs., works. 100 lbs.	3.70	-	3.95
bbls., works. 100 lbs.	3.90	-	4.15
dms., works. 100 lbs.	4.20	-	4.45
Iodate, jars. lb.	5.49	-	—
Iodide, jars. lb.	2.42	-	—
bots. lb.	2.53	-	2.59
Mandelate, dms., 100-lb. dms. lb.	3.25	-	—
Metanilate, kgs. lb.	.41	Nom.	
Metasilicate, anhyd., dms., c.l., works, frt. equal'd. 100 lbs.	3.75	-	—
15 dms. and over, dlvd. N.Y. 100 lbs.	4.55	-	—
3-14 dms., same basis. 100 lbs.	4.80	-	—
1-2 dms., same basis. 100 lbs.	5.05	-	—
gran., bbls., c.l., works. lb.	2.35	-	—
10 bbls. and over, dlvd., N.Y. lb.	3.10	-	—
1-9 bbls., dlvd. N. Y. lb.	3.35	-	—
Molybdate, kgs., works. lb.	.60	-	—
less kgs. lb.	.65	-	—
Monohydrated, bbls. 100 lbs.	2.60	-	—
works 100 lbs.	2.30	-	—
Naphthionate, bbls. lb.	.50	-	—
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing point or ports, July rail or boat shipment. ton.	29.00	-	—
200 lb. bgs., same basis. ton.	28.30	-	—
bulk, same basis. ton.	27.00	-	—
rfd., gran., bbls., 10 tons, 100 lbs.	2.50	-	—
1-9 tons 100 lbs.	2.65	-	—
smaller lots 100 lbs.	2.90	-	—
powd., bbls., 10 tons. 100 lbs.	5.50	-	—
1-9 tons 100 lbs.	5.65	-	—
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized, lb.	.06¾	-	—
c.l., West Coast, f.o.b. ports. lb.	.08	-	—
l.c.l. lb.	.08¼	-	.11¼

Soda nitrite l.c.l. price range represents delivery at various points.

Orthosilicate, flake, dms., c.l., works. 100 lbs.	3.00	-	—
Oxalate, neut., bbls. lb.	.09	-	—
kgs. lb.	.10	-	.11
Perborate, N.F., bbls., c.l., works. lb.	.14¾	-	—
l.c.l., works lb.	.15¼	-	—
Pentachlorphenate briquets, single bgs., works. lb.	.26	-	—
70 lbs., bgs., works. lb.	.19½	-	—
490 lbs., bgs., works. lb.	.17½	-	—
powd., 100 lbs., bgs., works, lb.	.19	-	—
500 lbs., bgs., works. lb.	.17	-	—
Phosphate, dibasic, anhyd., bgs., c.l., works. 100 lbs.	5.15	-	—
l.c.l., works. 100 lbs.	6.10	-	—
bbls., c.l., works. 100 lbs.	5.35	-	—
l.c.l., works. 100 lbs.	6.30	-	—
cryst., tech., bgs., c.l., works, 100 lbs.	2.10	-	—
l.c.l., works. 100 lbs.	2.50	-	—
bbls., c.l., works. 100 lbs.	2.30	-	—
l.c.l., works. 100 lbs.	2.70	-	—
monobasic, anhyd., bgs., c.l., works. 100 lbs.	7.25	-	—
l.c.l., works. 100 lbs.	8.00	-	—
bbls., c.l., works. 100 lbs.	7.45	-	—
l.c.l., works. 100 lbs.	8.20	-	—
tribasic, bgs., c.l., works. lb.	2.25	-	—
l.c.l., works. 100 lbs.	2.65	-	—
bbls., c.l., works. 100 lbs.	2.45	-	—
l.c.l., works. 100 lbs.	2.85	-	—
kgs., c.l., works. 100 lbs.	2.95	-	—
l.c.l., works. 100 lbs.	3.35	-	—
USP (dibasic), bbls., works, lb.	.09	-	.11
dried, bbls., dms., works. lb.	.11½	-	.14
Picramate, kgs. lb.	.65	-	—
Prussiate, yellow, bbls., 10,000 lbs. or more. lb.	.10½	-	—
contracts lb.	.09½	-	—
smaller lots lb.	.10¾	-	—
contracts lb.	.09¾	-	—
Pyrophosphate, anhyd., bgs., c.l., works, frt. equal'd. 100 lbs.	5.10	-	—
l.c.l., same basis. 100 lbs.	5.35	-	5.60
bbls., c.l., works, frt. equalized. 100 lbs.	5.30	-	—
l.c.l., same basis. 100 lbs.	5.55	-	5.80
Ricinoleate, tech., bbls. lb.	.12	-	—
Sal., bgs., dlvd. N. Y. 100 lbs.	1.20	-	—
works 100 lbs.	1.00	-	—
bbls., dlvd. N. Y. 100 lbs.	1.30	-	—
works 100 lbs.	1.10	-	—
Salicylate, bxs. lb.	.52	-	—
Sesquicarbonate, bgs., c.l., works, 100 lbs.	1.50	-	—
bbls., c.l., works. 100 lbs.	1.70	-	—
bbls., l.c.l., Zone 1. 100 lbs.	2.70	-	—
2 100 lbs.	2.85	-	—
3 100 lbs.	3.10	-	—
4 100 lbs.	3.50	-	—

Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.

Sesquisilicate, dms., c.l., works, 100 lbs.	2.90	-	—
10 dms. or over, dlvd. N. Y. C. lb.	4.00	-	—
1-9 dms. lb.	4.25	-	—

Saltcake—Sulphur

Soda, silicate, 40° turbid, dms., c.l., works. 100 lbs.	.80	-	—
l.c.l., 5 or more, works, 100 lbs.	1.05	-	—
1 to 4, works. 100 lbs.	1.20	-	—
52°, dms., c.l., works. 100 lbs.	1.40	-	—
l.c.l., 5 or more, works, 100 lbs.	1.65	-	—
1 to 4, works. 100 lbs.	1.90	-	—
Silicofluoride, dom., bbls. lb.	No prices		
import, bbls. lb.	.08½	Nom.	
Stannate, dms. lb.	No price		
Stearate, lump, powd., bbls., works. lb.	.19	-	.24
Sulphate, anhyd., bgs., bbls., c.l., works. 100 lbs.	1.45	-	1.65
5 tons or over, works, 100 lbs.	1.70	-	1.90
less than 5 tons, works, 100 lbs.	1.95	-	2.15
cryst. (see Glauber's salt).			
Sulphide, cryst., bbls., c.l., works. 100 lbs.	2.25	-	—
l.c.l., 5 tons or over., dlvd., 100 lbs.	2.75	-	—
less than 5 tons, dlvd., 100 lbs.	3.00	-	—
solid, bbls., c.l., works. 100 lbs.	3.00	-	—
l.c.l., 5 tons or over, dlvd., 100 lbs.	3.50	-	—
less than 5 tons, dlvd., 100 lbs.	3.75	-	—
cryst., bgs., 160 lbs., works, lb.	2.10	-	2.35
bbls. 100 lbs.	2.30	-	2.55
Sulphite, powd., bbls., c.l., 100 lbs.	5.25	-	—
l.c.l., 5 or more. 100 lbs.	5.50	-	—
1 to 4 100 lbs.	6.00	-	—
Sulphocarbolate, cs. lb.	.27	-	.28
Sulphocyanide, dms., cns. lb.	.28	-	.47
Sulphydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works. lb.	.05½	-	—
l.c.l., works. lb.	.06	-	—
single dm. lots, works. lb.	.08	-	—
tanks, works. lb.	.04½	-	—
Sulphoricinoleate, bbls. lb.	.12	-	—
Thiosulphate (see Hyposulphite).			
Tungstate, CP, kgs. lb.	No prices		
tech., kgs. lb.	No prices		
Solvent, naphtha, dms., wks. gal.	.31	-	—
tanks, E. of Omaha, frt. alld., gal.	.26	-	—
W. Coast, f.o.b. Minnequa, Colo. gal.	.26	-	—
High-flash, dms., works. gal.	.31	-	—
tanks, E. of Omaha, frt. alld. gal.	.26	-	—
Sorbitol, com'l, dms., c.l., works, lb.	.14¾	-	—
ton lots, contracts, works, lb.	.15¼	-	—
smaller lots, works. lb.	.15¾	-	—
Chicago. 100 lbs.	2.90	-	—
Soybean protein, bgs., c.l., works, lb.	.12	-	—
l.c.l., works lb.	.12¼	-	.15
Sparteine sulphate, cns. oz.	1.50	-	1.60
Spearmint leaves, bls. lb.	.28	-	.29
Spikenard root, bls. lb.	.20	-	.21
Spruce extract, reg., bbls., c.l., works. lb.	.01¾	-	—
tanks, works lb.	.01½	-	—
powd., super, bgs., c.l., works, lb.	.04	-	—
super, bbls., c.l., works lb.	.01¾	-	—
tanks works lb.	.01¾	-	—
Squawvine, leaves, bls. lb.	.14	-	.15
Squill, white, bls. lb.	.30	-	.35
powd., bbls., bxs. lb.	.35	-	.40
St. Ignatius beans, bgs. lb.	.45	-	.46
St. John's Bread, edible, bls., lb.	.12	-	.13
inedible, bls. lb.	.09	-	.10
Starch, corn, pearl, bgs., f.o.b. Chicago. 100 lbs.	2.90	-	—
dlvd., N. Y. 100 lbs.	3.25	-	—
powd., bgs., f.o.b. Chicago, 100 lbs.	3.00	-	—
dlvd., N. Y. 100 lbs.	3.35	-	—
Potato, dom., bgs. lb.	.06½	-	.07½
import, bgs. lb.	No price		
Rice, bbls. lb.	.07½	-	.08¼
Sweetpotato, bgs. lb.	.06¾	-	—
bbls. lb.	.07	-	—
Wheat, thick, boil, bgs. lb.	.05¼	-	—
Starch, iodide, bots. lb.	1.87	-	—
Stavesacre, seed, bgs. lb.	.32	-	.33
Stearin, oleo, bbls. lb.	.05¼	Nom.	
Stillingia root, bls. lb.	.07½	-	.08
Stoneroot, bls. lb.	.07¼	-	.08
Storax, cs. lb.	.60	-	.65
Stramonium leaves, bls. lb.	.25	-	.30
Seeds, bgs. lb.	.30	-	.35
Strontium bromide, fib. dms. lb.	.54	-	.55
kgs., 150 lbs. lb.	.52	-	—
Carbonate, N.F., IV, 250-lb. bbls. lb.	No prices		
tech., 99-100%, precip., bbl., lb.	No prices		
Chloride, tech., bbls. lb.	.20	-	—
Iodide, bots., 5 lbs. lb.	3.06	-	—
jars, 25 lbs. lb.	3.00	-	—
Nitrate, dom., bbls., c.l., works, lb.	.07¾	-	—
25 bbls. and over. lb.	.08¼	-	—
1-24 bbls. and over. lb.	.08¾	-	—
Strophanthus seed, Kombe, bgs. lb.	3.75	-	4.00
Styalyl acetate, bots. lb.	6.75	-	7.00
Strychnine, cryst., cns., 100-oz. lots. oz.	60	-	—
Acetate, 25-oz. cns., 100-oz. lots. oz.	.79	-	—
Arsenate, 25-oz. cns., 100-oz. lots. oz.	.82	-	—
Arsenite, 25-oz. cns., 100-oz. lots. oz.	.79	-	—
Glycerophosphate, 25-oz. cns., 100-oz. lots. oz.	.80	-	—
Hydrochloride, 25-oz. cns., 100-oz. lots. oz.	.79	-	—
Hypophosphite, 25-oz. cns., 100-oz. lots. oz.	.91	-	—
Nitrate, 25-oz. cns., 100-oz. lots. oz.	.73	-	—
Phosphate, 25-oz. cns., 100-oz. lots. oz.	.80	-	—
Sulpnate, cryst., cns., 100-oz. lots. oz.	.50	-	—
powd., cns., 100-oz. lots. oz.	.40	-	—
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works. lb.	.45	-	—
tech., bbls., l.c.l., works. lb.	.40	-	—
Sugar coloring, bbls. gal.	.75	-	1.45
Milk, bbls., c.l. lb.	.16	-	—
l.c.l., 10 or over. lb.	.17	-	—
less than 10. lb.	.18	-	—
Sulfanilamide, 5 lbs., bots. lb.	1.70	-	—
fib. dms., 1,000 lbs., 1 delivery, lb.	1.25	-	—
100 lbs. lb.	1.30	-	—
25-lb. lots. lb.	1.45	-	—
Sulfapyridine, powd., for hospitals, 5-grain bots. bot.	1.25	-	—
Sulphonethylmethane, kgs. lb.	6.75	-	6.80
Sulphonmethane, kgs. lb.	5.25	-	—
Sulphur, crude, bulk, f.o.b. cars, mines, contracts. long ton.	16.00	-	—
f.o.b. steamers, Gulf ports, contract. long ton.	17.50	-	—
flowers, bgs., c.l., works. 100 lbs.	3.00	-	—
bbls., works. 100 lbs.	3.35	-	—
l.c.l., bgs., works. 100 lbs.	3.35	-	3.75
bbls., works. 100 lbs.	3.70	-	4.10

Sulphur—Yellow, Dutch

Sulphur, refined, broken, bgs., c.l., works..100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works....100 lbs. 2.50 - 2.90
bbls., works....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., wks., 100 lbs. 1.60 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 1.95
bbls., works.....100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works. 100 lbs. 2.35 - —
bbls., works.....100 lbs. 3.20 - —
l.c.l., bgs., works....100 lbs. 3.20 - 3.60
bbls., works.....100 lbs. 3.55 - 3.95
heavy, bgs., c.l.,works.100 lbs. 2.55 - —
bbls., works.....100 lbs. 2.90 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works.....100 lbs. 3.25 - 3.65
light, bgs., c.l., works..100 lbs. 2.03 - —
bbls., works.....100 lbs. 3.00 - —
l.c.l., bgs., works....100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works..100 lbs. 2.50 - 2.90
roll, bgs., c.l.....100 lbs. 2.35 - —
bbls., works.....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.75 - 3.10
bbls., works.....100 lbs. 2.85 - 3.25
rubber maker's, com'l, 99%, c.l., frt. alld..100 lbs. 2.00 - —
bbls., same basis, c.l., 100 lbs. 2.35 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
bbls., same basis.100 lbs. 2.70 - —
Chloride, 55-gal. drms., c.l....lb. .03 - —
l.c.l., drms., works....lb. .04 - —
10-gal. drms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- 10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No price
leaf, f.a.s.....ton. No prices
Extract, 42°, bbls.....lb. .06 - .06¼
51°, bbls.....lb. .07 - .07¼
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .14 - .15
Sunflower seed, Calif., large, bgs., lb. .07 - .07½
medium, bgs.....lb. .06 - .06½
poultry, bgs.....lb. .05 - .05¼
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto., ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.00 - —
triple, 40-48%, a.p.a. bulk, f.o.b. Balto..unit-ton. .68 - —

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 98-94%, 325 mesh, bgs., c.l., mills, ton.14.00 -16.00
l.c.l., mills.....ton.16.00 -1800
96-98%, 325 mesh, c.l., mills..ton.15.00 -17.00
l.c.l., mills.....ton.17.00 -19.00
98-99½%, 325 mesh, bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, flake, type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills...ton. No prices
French, high-grade, bgs., l.c.l., ex whse..ton. No prices
ordinary, bgs., c.l., ex dock, arrival..ton. No prices
l.c.l. ex whse.....ton. No prices
Italian, 1, bgs., ex dock, arrival, ton. No prices
ex whse.....ton. No prices
2, bgs., ex dock, arrival.ton. No prices
Tallow, animal, edible.....lb. .04¾ Nom.
extra, loose.....lb. .03¾ Nom.
special, loose.....lb. .03¾ Nom.
sulphonated, 35% (24% fat), dms., c.l..lb. .03¾- —
l.c.l. .....lb. .04¾- —
50% (40% fat), dms., c.l., lb. .05¾- —
l.c.l. .....lb. .06¾- —
50% (48% fat), dms., c.l..lb. .05¾- —
l.c.l. .....lb. .06¾- —
Tamarind, No. 1, bbls.....lb. .06 - .07
Kegs .....keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y. unit-ton. 2.25 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 2.25 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l. bulk, basis N.Y..unit-ton. 2.25 & .10
high-grade, bulk, Chicago, unit-ton. 2.75 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f., ports, Aug. shipt. 2.40 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .03 - .05
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports .....gal. .26 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. .60 - .65
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
powd., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
USP, powd., bbls.....lb. .40 Nom.
Terebene, cans.....lb. .75 - .85
Terpinyl acetate, cns.....lb. .82 - .85
Terpin hydrate, bgs..... ....lb. .60 - .65
Terpineol, CP, cns.....lb. .28 - —
dms .....lb. .25 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- — tech. (see Perchloroethylene).
Tetralin, dms.....lb. .18 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, dms.....lb. 2.90 - 3.00
Sodiosalicylate, cns.....lb. 2.15 Nom.
dms. .....lb. 1.95 Nom.
5-lb. bots.....lb. 2.31 - 2.36
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works..lb. 2.00 - —
Thyme, French, bls.....lb. .20½- .21
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns, 25 lbs.....lb. 1.55 - 1.60
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo, root, powd., 4% rotenone, bbls..lb. .18 - .24
5% rotenone, bbls.....lb. .22 - .30
Thiamine hydrochloride, cns. gram. 1.40 - 1.55
Tin chloride (ous), anhyd.....lb. No price
Crystals, bbls., kgs.....lb. No price
Metal, Straits.....lb. .51½- —
Oxide, bbls.....lb. .55 - —
Tetrachloride, anhyd., bbls...lb. .25¼- —
Titanium, dioxide, bgs., c.l., (20 tons), frt. pd..lb. .13 - —
l.c.l., 5 tons, E. frt. pd...lb. .13¼- —
Pac. Cst., ex whse....lb. .13¼- —
1,000-9,999 lbs., E. frt. pd. lb. .13¼- —
Pac. Cst., ex whse....lb. .13½- —
50-999 lbs., E. frt. pd...lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
under 50 lbs., E. frt. pd.lb. .16 - —
Pac. Cst., ex whse....lb. .16 - —
bbls., c.l. (20 tons), frt. pd.lb. .13¼- —
l.c.l., 5 tons, E. frt. pd...lb. .13½- —
Pac. Cst., ex whse....lb. .13½- —
1,000-9,999 lbs., E. frt. pd., lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
50-999 lbs., E. frt. pd...lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
chalk resistant, bgs., c.l., (20 tons), frt. pd. lb. .15 - —
l.c.l., 5 tons, frt. pd....lb. .15¼- —
1,000-9,999 lbs., frt. pd.lb. .15½- —
50-999 lbs., frt. pd....lb. .15¾- —
Under 50 lbs., frt. pd..lb. .18 - —
bbls., c.l., (20 tons), frt. pd. lb. .15¼- —
l.c.l., 5 tons, E. frt. pd.lb. .15½- —
Pac. Cst., ex whse..lb. .15½- —
1,000-9,999 lbs., E. frt. pd..lb. .15¾- —
Pac. Cst., ex whse..lb. .15¾- —
50-999 lbs., E. frt. pd.lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
high-hiding, bgs., c.l. (20 tons) frt. pd..lb. .14 - —
l.c.l., 5 tons, frt. pd....lb. .14¼- —
1,000-9,999 lbs., frt. pd. lb. .14½- —
50-999 lb., frt. pd.....lb. .14¾- —
bbls., c.l. (20 tons), frt. pd. lb. .14¼- —
l.c.l., 5 tons, E., frt. pd. lb. .14½- —
Pac. Cst., ex whse. lb. .14½- —
1,000-9,999 lbs., E. frt. pd..lb. .14¾- —
Pac. Cst., ex whse. lb. .14¾- —
50-999 lbs., E. frt. pd. lb. .15 - —
Pac. Cst., ex whse. lb. .15 - —
barium or magnesium base, bgs., c.l., D. frt. alld. lb. .05¼- —
l.c.l., dlvd.....lb. .05½- —
Pac. Cst., ex whse....lb. .05½- —
under 50 lbs., E. dlvd.lb. .06¼- —
bbls., c.l., D., frt. alld..lb. .05¼- —
l.c.l., E., dlvd.....lb. .05¾- —
Pac. Cst., ex whse....lb. .05¾- —
under 50 lbs., E. dlvd.lb. .06¼- —
calcium base, bgs., c.l., D. frt. alld..lb. .05 - —
l.c.l., dlvd.....lb. .05¼- —
Pac. Cst., ex whse....lb. .05¼- —
under 50 lbs., E lvd.lb. .06 - —
bbls., c.l., D., frt. alld..lb. .05¼- —
l.c.l., E., dlvd.....lb. .05½- —
Pac. Cst., ex whse....lb. .05½- —
under 50 lbs., E. dlvd.lb. .06¼- —
Tolidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. 1.60 - 1.70
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable, gal. .33½- —
tanks, E. of Omaha, frt. alld., gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½- —
Tonga vine, F, bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .80 - .90
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .78 - .80
tanks .....lb. .75 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l. .....lb. .68 - .70
tanks .....lb. .65 - —
Tributyl citrate, ton lots, 475 lb. drms..lb. .24 - —
smaller lots.....lb. .26 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works.....lb. .46 - .48
Trichlorobenzene, dms., c.l., frt. alld..lb. .07 - —
l.c.l., same basis.....lb. .07½- —
tanks .....lb. .06½- —
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .34½- —
tech., dms., c.l.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36¼
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500 lb. drms..lb. .24 - —
smaller lots.....lb. .26 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 90%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem., grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs...lb. .07½- .08
Madras, bgs.....lb. .07¾- .08¼
Turpentine, spirits, gum, wbls., c.l., ex dock..gal. .33 - —
l.c.l., 10 ex dock.....gal. .35 - —
5 ex dock.....gal. .37 - —
wood dest., dist., dms., c.l., dlvd. E. ports..gal. .26 - —
l.c.l. .....gal. .28 - —
tanks, dlvd. E. cities..gal. .21 - —
steam-dist., dms., c.l., dlvd.gal. .27 - —
l.c.l., dlvd.....gal. .30 - —
tanks, dlvd.....gal. .22 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs....lb. 2.65 - 3.05
yellow, kgs.....lb. 1.75 - 2.00
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N.C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.85.00 - —
5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del..ton.85.00 - —
less than 5 tons, f.o.b. Newark, New York, Philadelphia..ton.91.00 - —
any quantity, f.o.b. Belle, W. Va..ton.85.00 - —
Import, 40% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt..ton. No price
40% N., bgs., smaller lots, f.o.b. N. Y. from whse. ton. No prices
pure, cs.....lb. .12 - —
Urea-ammonia, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports ton.57.40 - —
bags, same basis.....ton.59.40 - —
Urea-ammonia liquor, basis 45% N., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. ton.121.58 - —
basis 37% N (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports.....ton.127.00 - —
Uva ursi leaves, bls.....lb. .12 - .14

V

Valerian root, bls.....lb. .75 - .80
domestic, bls.....lb. .40 - .45
Valonia, beards, bgs., f.a.s...ton.56.00 - —
cups, bgs., f.a.s.....ton.42.00 -44.00
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 7.00 - 7.50
Mexican, tins.....lb. 7.25 - 7.50
cuts, tins.....lb. 7.00 - 7.25
South American, tins.....lb. 7.00 - 7.25
oleoresin, bots.....lb.18.00 -19.00
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs....lb. .70 - .75
Verdigris, bbls., kgs.....lb. .22 - .28
Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see Mi).
V.M.P. naphtha (see petroleum naphtha, v.m.p.)

W

Wahoo bark, bls.....lb. .45 - .46
tree .....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.37.50 -39.50
Extract, solid, bgs.....lb. .03⅞- —
Wax, bayberry, import, bgs...lb. .22 - .28
Bees, white, bleach, slabs, cs. 1 to 5 case lots..lb. .35 - —
cakes, 1 to 5 cs. lots...lb. .36 - —
discs, 1 to 5 cs. lots lb. .37 - —
yellow, crude, Africa, 10-bg. lots..lb. .23 - .23½
1 bg.....lb. .23½- .24
Brazil, bgs, 5-ton lots..lb. .24 - .24½
1 ton.....lb. .24½- .25
500 lbs.....lb. .25 - .25½
100 lbs.....lb. .25½- .26
refd., slabs, cs., lbs.....lb. .29 - .31
Candelilla, bgs., 1 ton.....lb. .18½- .19
jobbing lots.....lb. .19 - .19½
Carnauba, No. 3 chalky, bgs., 1 ton..lb. .47 - .48
5 bgs.....lb. .47½- .48½
1 bg.....lb. .48 - .49
N. C., 2 bgs., 1 ton.....lb. .55 - .56
N. C., 3 bgs., 1 ton.....lb. .48 - .49
5 bgs.....lb. .48½- .49½
1 bg.....lb. .49 - .50
refined, bgs.....lb. .53 - .54
yellow, No. 1, bgs., 1 ton..lb. .60 - .61
5 bgs.....lb. .60½- .62½
1 bg.....lb. .61 - .62
No. 2 bgs.....lb. .59 - .60
Wax, ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .11½- .12
jobbing lots.....lb. .12½- .13
150°-160° m.p., bgs., 1 ton..lb. .13½- .14
jobbing lots.....lb. .14½- .15
160° m.p., bgs., 1 ton.....lb. .13½- .14
jobbings lots .....lb. .14½- .15
Japan, cs.....lb. .15½- .16
Montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ozokerite, hard, green, congeal. p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
Snow-white, pure, 76°-78° C. bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .22 - .23
cakes, cs.....lb. .23 - .24
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.74 - —
Whiting, chalk, com'l., dry-grd., blp., bgs., c.l., works..ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap, bgs., c.l., works....ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet-grnd., blp., bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilder's bolted, blp., bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works...ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap, bgs., c.l., works.ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
paris white, blp., bgs., c.l. works..ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bags, c.l., works..ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50
limestone, air floated, 99.75%. 250 mesh, paper bgs., c.l. ton. 9.65 - —
200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90%, 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 820 tons, works. ton.12.50 - —
4-8 tons, works...ton.13.50 - —
2-4 tons, works...ton.14.50 - —
extra bgs. (extra), c.l., works. ton.12.50 - —
8-20 tons, works.....ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works. ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works...ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, pks. extra, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N. Y..ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
import, 70 mesh, bgs., ex dock, ton. No prices
80 mesh, bgs., ex dock...ton. No prices
100 mesh, bgs., ex dock...ton. No prices
120 mesh, bgs., ex dock...ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. 5.00 - 6.00
Wormwood, bls.....lb. .18 - .20

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
10°, dms., returnable, works.gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
5°, dms., returnable, works.gal. .41 - —
tanks, E. of Omaha, frt. alld..gal. .39 - —
3°, dms., returnable, works.gal. .48 - —
tanks, E. of Omaha, frt. alld..gal. .46 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.55
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .55 - —
bottles, same basis.....lb. .60 - .64
imp., bbl., same basis....lb. .55 - —
Cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works.. frt. alld..lb. .50 - —
smaller lots ,same basis..lb. .55 - —
kgs., ton lots, same basis, lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, bbls., works, lb. .75 - —
Yellow chrome, CP., bbls., dlvd., N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul contracts .....lb. .13½- —
open order.....lb. .14½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11

Yellow, Hansa, bbls., same basis, chrome	lb.	1.37	- —
primrose shade, bbls., same basis, chrome	lb.	1.75	- —
Mercury oxide (see M).			
Ocher, Amer., golden A, bbls., works	lb.	.06¼	- —
B, bbls., works	lb.	.04½	- —
C, bbls., works	lb.	.03¾	- —
yellow A, bbls., works	lb.	.02¾	- —
B, bbls., works	lb.	.02½	- —
C, bbls., works	lb.	.02	- —
D, bbls., works	lb.	.0196	- —
E, bbls., works	lb.	.01775	- —
F, bbls., works	lb.	.01½	- —
G, bbls., works	lb.	.01½	- —
H, bbls., works	lb.	.01¾	- —
French, all shades, cks., c.l., ex dock, Balto, Boston, N. Orleans for import	lb.	.02475	Nom.
New York (f.o.b.)	lb.	.02¾	Nom.
Philadelphia for import	lb.	.02¾	Nom.
ex dock San Pedro, San Francisco	lb.	.0290	Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans	lb.	.02575	Nom.
New York	lb.	.02¾	Nom.
Phila., for import	lb.	.02¾	Nom.
Portland, Seattle	lb.	.03½	Nom.
San Pedro, S. Francisco	lb.	.03	Nom.
ex whse., Balto., Boston, N. Orleans	lb.	.02725	Nom
ex whse., Indianapolis, Kan. City, Milwaukee, St. Louis	lb.	.03¾	Nom.
New York	lb.	.03	Nom.
Pittsburgh	lb.	.03¼	Nom.
Portland, Seattle	lb.	.03¾	Nom.
San Pedro, S. Francisco	lb.	.03¼	Nom.
f.o b. N. Y., from dock, from whse.	lb.	.02¾	Nom.
	lb.	.03¼	Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y.	lb.	.04½	- —
l.c.l., same basis	lb.	.04¾	- —
synth., bbls., c.l., works	lb.	.06¼	- —
l.c.l. same basis	lb.	.06¾	- —
Persian orange (See O).			
Yellow, zinc, bbls., same basis, chrome CP, contracts,	lb.	.18	- —
open order	lb.	.19	- —
Yellow dock root, dom., bls.	lb.	.17	- .18
Yellow root (xanthoriza), bls.	lb.	.11	- .12
Yerba santa leaves, bls.	lb.	.09	- .10
Yohimbine hydrochloride, via.	oz.	2.85	- 4.00

Z

Zein, bgs., 1,000 lbs. or more, works	lb.	.20	- —
less than 1,000 lbs., works	lb.	.25	- —
Zinc acetate, tech., bbls., dlvd.,	lb.	.15	- .16
USP, bbls., 250 lbs.	lb.	.27	- —
kgs., 100 lbs.	lb.	.29	- —
Arsenite, bgs., c.l., dealers, E. of Rockies	lb.	.12	- —
l.c.l., bags	lb.	.12½	- —
Zinc arsenite prices are on basis to dest., in lots of 96 lbs.		a frt. alld. or over.	
Carbonate, tech., bbls.	lb.	.14	- .16
USP, precip., powd., bbls.	lb.	.32½	- —
25 lb. dms.	lb.	.37½	- —
kgs.	lb.	.34½	- —
Chloride, tech., fused, dms., c.l., works	100 lbs.	4.25	- —
l.c.l., works	100 lbs.	4.60	- —
gran., dms., c.l., works,	100 lbs.	5.00	- —
USP, 200-lb. dms.	lb.	.26	- —
25-lb. jars	lb.	.31	- —
solution, 50%, dms., c.l., works	lb.	.0290	- —
l.c.l., works	lb.	.04	- .04½
tanks, works	lb.	.0225	- —
Cyanide, kgs., works	lb.	.33	- —
Dust, bbls., c.l., dlvd.	lb.	.06¼	- —
l.c.l., bbls., dlvd	lb.	.06¾	- —
Iodide, N.F., bots.	lb.	4.35	- —
jars	lb.	4.20	- —
Fluoride, bbls.	lb.	.20	- .25
Metal (see daily quotations in Market report).			
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd.	lb.	.06¼	- .07¼
l.c.l., dlvd., except Pac. cst.	lb.	.06½	- .07¾
bgs., l.c.l., ex whse., Pac. cst.	lb.	.06½	- .07¾
bbls., c.l., dlvd.	lb.	.06½	- .07¾
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	- .08
ex whse., Pac. cst.	lb.	.06¾	- .08
5%, bgs., c.l., dlvd.	lb.	.06½	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	- —
ex whse., Pac. cst.	lb.	.06¾	- —
bbls., c.l., dlvd.	lb.	.06¾	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	- —
ex whse., Pac. cst.	lb.	.06¾	- —
35%, c.l., dlvd.	lb.	.06	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¼	- —
ex whse., Pac. cst.	lb.	.06¼	- —
35%, bbls., c.l., dlvd.	lb.	.06¼	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06½	- —
bgs., l.c.l., ex whse., Pac. cst.	lb.	.06½	- —
Zinc oxide, leaded 50%, bgs., c.l., dlvd., except Pac. Coast	lb.	.0606	- —
dlvd., Pac. cst.	lb.	.0612	- —
l.c.l., dlvd., except Pac. cst.	lb.	.0631	- —
bgs., ex whse., Pac. cst.	lb.	.0637	- —
bbls., c.l., dlvd.	lb.	.0637	- —
l.c.l., ex whse., Pac. Cst.	lb.	.0662	- —
French process, com'l, lead free, bgs., c.l., dlvd.	lb.	.06¼	- .07½
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	- .07¾
ex whse., Pac. cst.	lb.	.06½	- .07¾
bbls., c.l., dlvd.	lb.	.06½	- .07¾
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	- .08
ex whse., Pac. cst.,	lb.	.06¾	- .08
green seal, bgs., c.l., dlvd.,	lb.	.06	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¼	- —
ex whse., Pac. cst.	lb.	.06¼	- —
bbls., c.l., dlvd.	lb.	.06¼	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06½	- —
ex whse., Pac. cst.	lb.	.06½	- —
red seal, bgs., c.l., dlvd.	lb.	.07½	- —
l.c.l., dlvd., except Pac. cst.	lb.	.07¾	- —
ex whse., Pac. cst.	lb.	.07¾	- —
bbls., c.l., dlvd.	lb.	.07¾	- —
l.c.l., dlvd., except Pac. cst.	lb.	.08	- —
ex whse., Pac. cst.	lb.	.08	- —
white seal, bgs., c.l., dlvd.	lb.	.06¼	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	- —
ex whse., Pac. cst.	lb.	.06¾	- —
bbls., c.l., dlvd.	lb.	.06¾	- —
l.c.l., dlvd., except Pac. cst.	lb.	.09	- —
ex whse., Pac. cst.	lb.	.09	- —
imported, gold seal, cks., ex whse.	lb.	.13	- .14
green seal, bbls., ex whse.,	lb.	.10	- —
white seal, cks., ex whse.,	lb.	.11	- .12¼
USP, bbls., c.l.	lb.	.09½	- —
Palmitate, bbls.	lb.	.24½	- .27½
Resinate, fused, pale, bbls.	lb.	.10	- —
precip., dms., dlvd.	lb.	.15	- —
Stearate, tech., precip, bbls., ctns., c.l.	lb.	.22	- —
l.c.l., 1 ton	lb.	.23	- —
1,000-2,000 lbs.	lb.	.24	- —
less than 1,000 lbs.	lb.	.25	- —
USP, bbls.	lb.	.23	- .26
Sulphate, cryst., bxs., l.c.l.	100 lbs.	2.90	- —
l.c.l.	100 lbs.	3.65	- —
bbls., c.l.	100 lbs.	3.05	- —
l.c.l.	100 lbs.	3.80	- —
flake, bgs., c.l.	100 lbs.	3.25	- —
l.c.l.	100 lbs.	4.00	- —
bbls., c.l.	100 lbs.	3.40	- —
l.c.l.	100 lbs.	4.15	- —

Yellow, Hansa—Zirconium

Zinc Sulphate powd., bgs., c.l.	100 lbs.	4.55	- —
l.c.l.	100 lbs.	5.30	- —
bbls., c.l.	100 lbs.	4.70	- —
l.c.l.	100 lbs.	5.45	- —
Sulphide, bgs., c.l., (20 tons), dlvd.	lb.	.07½	- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.07¾	- —
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd.	lb.	.07¾	- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.08	- —
barium, pigment, bgs., c.l., dlvd.	lb.	.05	- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.05¼	- —
calcium pigment, bgs., c.l., dlvd.	lb.	.05	- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.05¼	- —
magnesium, pigment, bgs., c.l., dlvd.	lb.	.05¼	- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.05¼	- —
Sulphocarbolate, NF, bbls.	lb.	.24	- .26
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.15	- —
l.c.l. works	100 lbs.	5.50	- —
Zinc-iron oxide, pigment, bgs., c.l., dlvd.	lb.	.05	- —
l.c.l., dlvd., except Pac. cst.	lb.	.05½	- —
ex whse., Pac. cst.	lb.	.05½	- —
Zirconium nitrate, kgs., works	lb.	3.00	- 4.00
Oxide, crude, 70-75%, grd., bbls., works	ton.	75.00	-100.00
white, 98%, grd., kgs., works,	lb.	1.80	- 2.00

Synthetic Resins

and other

Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the July 1 issue; the next printing will be in the Aug. 5 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials market which begins on page 31.

Trigg on Defense and Paint Industry

—Continued from page 5

REPORTER quotations, show the following situation:

Linseed oil	1%	increase
Perilla oil	73%	increase
Soybean oil	4%	decrease
Tung oil	15%	increase
Oiticica oil	30%	increase
Mineral spirits	5%	increase

These comparisons are given for the purpose of illustrating the effect of the very different economy in which we find ourselves at this time as compared with the previous war. Everything in regard to it almost is different except the killing of people and the destruction of property, and the charts of that period are largely useful in showing us what not to do rather than what to do. Among the many differences was the psychological attitude of business generally when this latest war broke in Europe. Remembering our experiences of twenty-five years ago, leaders of business took the position that it would be much wiser to prevent price increases so far as possible rather than to encourage and help develop the inflated and abnormal conditions which existed beginning with 1915.

We have benefited by the experiences of the last war. No longer are we so dependent on foreign materials with the result that, generally speaking as applied to many of our principal products—(but not all)—we are able to get the raw materials we require and while there have been necessarily advances in some of them, the increases in cost have not so far at least approached the conditions which existed in June 1916, as shown above.

Market Conditions

In an effort to bring to the industry through this meeting some up-to-the-minute judgements as to the question of future supplies and prices, I have obtained some statements which I am permitted to quote to you:

Fletcher W. Rockwell, president, National Lead Company says:—

It is very difficult for me to see far into the future as there are so many conditions which may arise to change one's ideas from day to day.

The outside or foreign pig lead price is quite weak due principally to the consumption not being up to the production which tends to hold the domestic market for pig lead down; otherwise I would expect to see domestic pig lead higher.

With the government's price of 50 cents for tin, I am inclined to think that will stabilize the price of tin. I can not help but feel whichever way the war goes, tin will continue to be available as there would be no object in piling it up in the East and the ruling country will wish to dispose of it.

With the large appropriations being made by our government, I can not help but feel that business is bound to be good while that money is being spent but from the figures I have, it would seem that industry has mechanized itself to a point where further economies can not be made so that if labor is advanced, commodities will also have to advance.

I think you will conclude from this letter that while I am optimistic on the business situation, I am also inclined to feel that prices will be on the strong side.

Marshall L. Havey, vice-president, New Jersey Zinc Company, says:—

So far as I can see at the present time, I should say that paint manufacturers would be able to get their full requirements of all kinds of zinc pigments. It is easier to be definite on the availability of adequate supplies of pigments than it is to give you anything definite on price changes to be expected. Unless something occurs which we do not now foresee, however, I should say that extraordinary price increases are not to be expected; any increases in prices will probably be moderate.

E. V. Peters, vice-president, St. Joseph Lead Company, says:—

As far as I can see, I anticipate no interruption of zinc oxide supply to the paint industry as a result of the present war. It is also my opinion that there will be no substantial fluctuation in prices in the near future. Metallic zinc prices have risen somewhat in the last few months and if the war continues, it is possible that metallic zinc may be in heavier demand at either present prices or somewhat higher. The effect of this is apt to increase metallic zinc production, resulting possibly in less zinc oxide production. It is my opinion, however, that this will not be carried to a point where an adequate supply of zinc oxide would be threatened.

During the last war, you may recall that at our own government's insistence it was necessary to withdraw leadfree zinc oxide from the paint industry entirely and substitute leaded zincs. The situation, however, is such at the present time that I am sure it will not be necessary to repeat this action and that both leadfree and leaded zinc oxides will be available to the industry at approximately current levels for many months to come.

I. D. Hagar, vice-president, Titanium Pigment Corporation, says:—

In common with many other manufacturers, we do not feel that we can, at this time, write you with any definite assurance regarding the future situation on our "Titanox" pigments. Too many issues are involved, and international conditions are too uncertain. We have to take into account such questions as whether or not the war will end with the defeat of Great Britain within the next few weeks, or whether Britain will hold out and the war will be extended throughout the Winter. We are left in doubt because of the uncertainty as to which party will win out in the national election this Fall, and whether or not the policy of the party in power next year will be to plunge us deeper into war conditions than we have been carried by Mr. Roosevelt.

It has always been the policy of the Titanium Pigment Corporation to effect in the manufacture of its products such savings as were consistent with the improved quality for which we are constantly striving, and to share any savings thus effected with its customers. Since the outbreak of the European war our costs have been strongly increased by the higher freight rates upon the movement of titanium-bearing ore from our major source of supply. Certain chemicals which we employ that were formerly obtained from European sources of supply are now available only from domestic manufacturers at substantially increased costs.

Under the Wagner act, the fair labor relations act, and other requirements imposed by Federal and State legislation, our labor costs have materially increased. Recently there has been some increase in railroad rates, but more and more particularly in trucking rates.

Up to this time it has been our practice to absorb these and other increased costs and to maintain prices at the levels set on January 1. We are continuing these prices throughout the balance of the current quarter, and hope to be able to maintain them for the last quarter of the year. Beyond that we would hesitate, at this time, to make any prediction, but we can assure you that every effort of this company will be directed toward economies and effciencies which will enable us to serve our large and ever-growing trade economically. To this end we shall not increase prices unless and until our costs are increased to the point where it is no longer possible for us to make a reasonable profit on our operations.

A. F. Brown, general manager, Pigment Color Division, Imperial Paper & Color Corporation, says:—

We have your letter of July 9, and in reply wish to advise that so far as the chemical pigment color industry is concerned, conditions are entirely different now than they were in the other world war, and we can not conceive of any situation arising in the next year or two which could interfere with the present rate of production of chemical pigment colors. It is true that our industry depends on sources outside the United States for some of its basic raw materials, such as chromite, tungsten, tin, etc., but we know that there are several years' supply of all these materials now available right here in the United States, and it would seem that the European situation would be settled before then.

It is, of course, still possible to buy all or any of these materials that any manufacturer wants. We, for example, have several year's supply of chrome ore here right now, and we have nearly a year's supply of tungsten, and we venture that most of our competitors have anticipated their requirements likewise.

So far as prices are concerned, we do not anticipate there will be any particular changes. As a matter of fact, unless some cataclysmic change occurs that is even greater than what has already happened, even assuming that Britain is overrun, we do not see where our industry is going to be affected, either as regards production or prices. Of course, if the United States enters the war, then it is hard to foresee what changes might take place, as it is theoretically possible, though hardly probable, that the government might commandeer raw materials which the industry uses, but assuming that we do not enter the war, we would say that generally speaking the color consumers have nothing to worry about, so far as price changes are concerned or difficulty in obtaining sufficient satisfactory materials.

D. W. Figgis, vice-president, American Can Company, says:—

Conditions change so rapidly that what may be an entirely safe statement in the light of the immediate future might be entirely inaccurate if sudden shifts were to take place as the result of conditions on the other side.

With this reservation, which I rather think is not particularly necessary, I should say, first, that we do not anticipate any difficulty in being able to supply containers for the paint and varnish industry—and plenty of them—and secondly, our prices are firm to the end of the year, and if increases in prices at that time should become necessary as the result of a change in the price of tinplate, the effect of a very nominal increase in tinplate would not be reflected in our prices in any substantial amounts.

Our contracts are written so as to provide only for increases in tinplate cost as indicated in the beginning of the year and do not provide for any increase in price due to other increases in costs which may take place. The contract also provides for an adjustment downward, if the average cost of standard tinplate purchased by us were less than the price on which the starting prices were based.

My own impression is that manufacturers generally are sufficiently conscious of the dire results of undue increases in prices, based on their experience in the last war, to put them on their guard against creating any repetition of that condition. The tendency apparently is to stabilize prices in so far as it is possible to do so.

—Continued on page 37

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Chemists and the U.S.P.

In declaring that the constitution of the United States Pharmacopeial Convention should be amended to provide adequate representation of chemical manufacturers in U.S.P. revision the executive committee of the Manufacturing Chemists Association of the United States gets closer to the prerequisites of "the best pharmacopeia in the world" than does the American Medical Association's journal in finding potentiality of this in the 1940 convention's "fruitful union of the most progressive elements of both medicine and pharmacy."

There is, of course, much room for variations of opinion as to what makes a pharmacopeia "best." In the sense of service to the medical profession for the benefit of humanity it cannot be denied that over the past four decades chemistry has contributed more than pharmacy and medicine combined. The introduction of the sulpho-organic compounds, such as sulphanilamide, alone fully justifies the recent statement that "what is probably the greatest advance made in medicine in the last twenty years . . . has been presented to the medical profession by the chemists."

Pharmacopeial revision has changed in many particulars since 1820, but it has not progressed commensurately. That is why, in spite of the trend toward chemical materia medica and the corollary of chemical manufacturing, the present U.S.P. revision committee contains not one representative of that important branch of the drug industry. There are not more than a half-dozen chemists in the committee of fifty, although more than half of the U.S.P. materials (not including reagents) are chemicals, and the standardization of many of the other materials requires chemical training.

Too long has the selection of members of the U.S.P. revision committee been governed by their ability in matters not particularly relevant or contributory to the construction of "the best pharmacopeia in the world," or a book of standards having full force of Federal law. Chemists and chemical manufacturers always have served as volunteer revisers. They deserve better.

How Antitrust Laws Work

The Federal statutes popularily known as the antitrust laws are not so vague and confusing in their phraseology as they are frequently declared to be. Their language is comparatively simple—it is their endeavor to arrive simultaneously at two opposite purposes that makes compliance with their provisions a puzzle. These laws endeavor to make competition free and fair, and they attempt to define what is unfair and what is not free. Their negative definitions, plus the inescapable conflict of freedom and fairness when either is extended to any material degree, leave even the courts in a quandary.

But, it must be admitted, in recent years at least since the eradication of most of the integrated trusts or monopolies at which the enforcement of the antitrust laws was originally directed in largest part, that the difficulties which these statutes have laid upon business have arisen chiefly from attempts of trade associations to interpret the laws in what they consider a "reasonable" manner, or the failures of such groups to become informed as they easily could be with respect to the negative definitions of the statutes themselves and the supplemental "thou-shalt-not's" pronounced by the courts.

In addition there has been, it must be believed, a rather extensive disregard in association circles for the significant indications to be found in every complaint by the Federal Trade Commission which has had to do with concerted activities such as are proscribed by the statutes. It is difficult to understand why certain association practices ever were undertaken in view of their obvious conflict with the plain definitives of the law. It is more difficult to understand why these practices have in a number of instances been persisted in despite commission orders and court decrees which have declared the same practices on the part of others to be in violation of the laws.

It may be perversity. It more likely is ignorance, or at least carelessness. So, there is a need for information such as is currently being given in the REPORTER in the series of articles on what trade associations should know about official procedures in the enforcement of the antitrust laws. These articles will not wholly take the place of capable legal counsel, but they do indicate wherein the necessity for such counsel is likely to be incurred.

—O-P-D—

Problems in 'Bugology'

In spite of the number of years during which it has been perniciously active and in spite of the money measure of the losses it has caused in the cotton fields, no insecticide of practical value has yet been developed for combatting the pink bollworm on a commercial scale. The depredations of this insect pest, as are those of the corn borer, are kept within some limits by means of fumigation of seed, burning of wastes, and mechanical treatment of the soil. Commercial entomology, even the more highly developed governmental sort has not been adequately served by chemical science in this matter.

The Federal government allocated some $300,000 ten days ago for a campaign against the white-fringed beetle in four Southern States. This campaign, a matter of Federal-State cooperation, has been going on for three years. Commercial entomology has not yet sold its services out of governmental bondage in this connection.

August 1 the Federal government will recognize special treatment with methyl bromide as adequate protection against the Mediterranean fruitfly and the melonfly. The method of treatment was developed by the Bureau of Entomology and Plant Quarantine—details may be got there at request—not by the industry which devotes itself to the production of insecticidal agents.

The sycamore tree of song and story is slowly losing in a battle with a destructive fungous disease in Atlantic Seaboard States. The infection comes through accidental injuries or the cuts of pruning. The organism can live and thrive in the asphalt paint usually applied to such surfaces. It can be spread by tools and by sawdust in the paint. The government is working to find a paint that will destroy this fungus. Commercial laboratories in the insecticide and fungicide field are not barred from discovering such a remedy—or any of the numerous others needed to protect plantlife from its enemies.

—O-P-D—

Concocting Pan-Americanism

It is impossible to say what will come out of the Pan-American conference in Havana because nobody can be certain what will be put into it. If the ingredients are chiefly political, whatever may be the temptation to take a shot at this or that unliked European ideology, no amount of sweetening with United States loans will make what is concocted pleasant to Latin American palates.

It should be plain to United States businessmen that they cannot buy Latin American acceptance—to say nothing of preference—of their goods and methods. Politicians, however, cannot be expected to recognize that the same holds true with respect to getting Latin American cooperation in any sort of program. And both in respect of business and in connection with politics, the greatest error will be to emphasize a purpose of saving Latin America from European domination or any other form of totalitarianism. Such things as that Latin Americans regard as their own affair, and they do not relish being treated to gratuitous guardianship.

World politics being what they are, conferences such as that in Havana doubtless must be expected. A "visiting fireman" tour of Latin America by United States business leaders would do far more necessary good. The British Standards Institution is compiling a handbook in the Spanish language which will be widely distributed in South America with the purpose of acquainting prospective purchasers with the products of British industry and giving emphasized information to importers and others on the suitability of British goods to South American markets. It may reasonably be assumed that this suitability will be worked into the goods.

The lending of half a billion dollars to Latin America cannot reasonably be expected to promise even a low rate of interest on the money. It is a bankers' idea of what to do with other peoples' money. Spending one-fifth as much in tourist trade would bring better returns.

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Heavy Chemicals

Slight Leveling Off Noted — Outlook Continues Favorable —Exports Moderate—Insecticides Experience Poor Year —Antimony Needle Higher — Copper Remains Easy

Demand for heavy chemicals experienced some slight tapering last week. Reports were mixed on the trend of business, nevertheless, some factors continued to report steady interest. The outlook for the final half of the year remained favorable. It was pointed out in some quarters that consumers were expanding contract commitments over the latter part of this year to make certain of shipments in the event operations were sharply accelerated as a result of the National Defense Program. In the interim current output in such industries as steel, paper, glass and rayon were at relatively high levels. Price movements lacked much importance.

While weather conditions recently have favored some seasonal chemicals, others, particularly insecticides, did not fare so well. The season as a whole for agricultural chemicals was a disappointment. Cool weather retarded normal movement for the first few months, and this was followed by conditions that were detrimental to any widespread infestations. However, water treating and refrigerant chemicals moved satisfactorily when warm weather made its appearance.

Export business was confined chiefly to Canada, South and Central America, West Indies and the Far East. Inquiries have not been as numerous recently from Latin America, and some difficulty was encountered in arranging satisfactory credit facilities because of exchange restrictions. Germany remains a threat to resume shipments to South America, while the United Kingdom is still an active factor in these markets.

Price Changes

Advanced

Antimony needle, 2c. per lb.
Tin, Straits, ½c. per lb.

Reduced

Copper, electrolytic, ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
153.9	**151.4**	**151.4**	**146.8**

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	**101.6**	**101.6**	**99.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Alums.—Market position firm. Spot and contract shipments steady.

Alumina Hydrate.—Business routine. Prices failed to change.

Alumina Sulphate. — Prices unchanged and firm. Shipments moved at a satisfactory pace.

Ammonia, Anhydrous. — Good inquiry, with seasonal withdrawals against contracts favorable. Prices without change.

Ammonia, Aqua. — Moderate activity. No change occurred in the quotations.

Ammonia Bicarbonate.—Consumers made necessary replacements as a rule. Prices rule firm.

Ammonia Bifluoride. — Business lacked any expansion, but market retained its steady to firm position.

Ammonia Carbonate.—Commitments routine. Prices without alteration.

Ammonia Fluoride.—Business dull. Prices the same.

Ammonia Nitrate. — Inquiries remain satisfactory, with transactions moderate. Firm price tone.

Ammonia Perchlorate.—Selling limited to regular channels for normal requirements. Market position strong.

Ammonia Persulphate.—Trading was not extensive. However, prices retained their firmness.

Ammonia Phosphate. — Prices for technical grades unchanged. Fair interest.

Ammonia Silicofluoride.—Not much inquiry reported. Market in firm position with little imported material available.

Ammonia Sulphide.—Steady to firm tone. Dealings only moderate.

Ammonia Sulphocyanide. — Stocks sufficient to take care of regular consumers; domestic production on larger scale pending completion of new plant.

Ammoniac, Sal.—Buying restricted to nearby needs as a rule. The market retained its firm price tone.

Antimony.—Domestic spot metal unchanged. Small lots made up the bulk of the trading.

Antimony Oxide.—No new developments transpired. Prices the same, with buying fair.

Antimony Needle. — Prices 2c. per pound higher, ranging from 20c. to 24c. per pound. Market position tight.

Arsenic. — Prices for white well maintained. Withdrawals steady. Stocks of red negligible.

Barium Carbonate.—Market lacked any new price developments. Consumers made purchases close to requirements.

Barium Chlorate.—Market nominal. Fair inquiry from regular channels.

Barium Chloride.—Prices well sustained. Buying of a routine character.

Barium Hydrate.—Interest moderate. Domestic and imported quotations unaltered.

Barium Nitrate.—Large quantities obtainable at 8½c., ranging to 10½c. for smaller lots. Market firm, and business fairly steady.

Barium Oxide.—New business failed to broaden appreciably. Pricewise no change took place.

Bleaching Powder.—Moderate demand. Export inquiry only fair. Prices steady to firm.

Calcium Acetate.—Market a routine affair. Prices rule firm.

Calcium Carbide.—Domestic buying fair. Satisfactory export inquiry. Prices unchanged and firm.

Calcium Chloride.—Some irregularity noted in the demand for dust control, reflecting weather conditions principally. Prices without change.

Calcium Phosphate.—Prices for tribasic unchanged and firm. Demand light.

Carbon Bisulphide.—Buying moderately active. Prices remained firm.

Carbon Dioxide.—Shipments moved at a moderate pace in most directions. Prices held at the same levels.

Carbon Tetrachloride. — Business steady. Prices were in conformity with those prevailing previously.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—
DCAT outing, Oct. 18-19, Skytop.
Pest Control Association, Oct. 28-30, Indianapolis

Chlorine.—Inquiries reached the market in good volume, and shipments for water treating and other purposes held up well. Market was in a firm position.

Cobalt Oxide.—Stocks sufficient to take care of regular consumers requirements. Spot position very firm.

Copper.—Custom smelters quoting 10½c., while primary producers adhere to the 11½c. per pound basis. Outside market 10.45c. per pound and export 10.05c. Market quiet.

Copper Salts.—Prices maintained at previous levels. Buying as a rule was held close to nearby needs.

Copper Sulphate.—Despite weaker tone in copper, market was in a relatively firm position, reflecting heavy demand from domestic and export channels.

Copperas.—Business limited to usual channels. Prices without change and firm.

Feldspar.—Dealings routine. Pricewise a firm tone prevailed.

Fluorspar.—An easier price tone was evident in some directions. Withdrawals held up steadily.

Glauber's Salt.—Demand irregular. No change disclosed in the prices.

Lead Acetate.—Market routine. Prices unchanged and firm.

Lead Nitrate.—Firm price tone, with dealings held to conservative levels.

Lime.—Pricewise market held steady to firm. Business maintained at a satisfactory pace in most directions.

Magnesite.—Market position strong. Domestic material meets good inquiry, while imports virtually cut off.

Manganese Salts.—Prices remain firm and unchanged. Most business limited to usual consuming channels.

Methyl Chloride.—Buying moderate. No change occurred in the prices.

Nickel Salts.—Business steady. Prices without change and firm.

Phosphorus.—Inquiry for red still active, however, sellers supplying only regular customers; yellow in fair demand. Prices firm.

Potash Carbonate.—Movement against contracts steady. Prices firm.

Potash, Caustic.—Firm price tone. Shipments moved at a good pace.

Potash Chlorate.—Spot market firm, with offerings small and at premium levels. Supplies adequate for regular consumers.

Potash Metabisulphite.—Dealings routine. Prices unchanged and firm.

Potash Permanganate.—Withdrawals steady, market in favorable position, and prices firm.

Salt.—Buying fairly steady. Volume made good showing with preceding month and same period a year ago. Prices steady to firm.

Saltcake.—Prices nominal. Good inquiry, and shipments steady.

Saltpeter.—No change in the prices. New business lacked much broadening.

Soda Acetate.—Various grades in moderate demand. Prices rule firm.

Soda Ash.—Business moderately active. Normal export inquiry. Prices rule unchanged.

Soda Bicarbonate.—Steady interest for usual channels. Prices without alteration.

Soda Bifluoride.—No new developments of consequence. Business light, and prices the same.

Soda, Caustic.—Shipments moved against contracts at a moderate pace. Export inquiries satisfactory. Prices unaltered.

Soda Chlorate.—Call for weed killing purposes provide market with ample support. Prices firm.

Soda Cyanide.—Market firm. Shipments steady. Exports confined to normal sources as a rule.

Soda Hydrosulphite.—Steady to firm price tone. Moderate demand.

Soda Metasilicate.—Business adequate to keep market in a firm position.

Soda Nitrite.—Buying fairly steady. Prices without change.

Soda Phosphate.—Various grades taken moderately. Pricewise a firm tone prevailed.

Soda Pyrophosphate.—Demand for soap and other consuming industries maintained at favorable levels. Prices rule firm.

Soda Silicate.—Consumers made satisfactory replacements in most instances. Prices lacked any change.

Soda Silicofluoride.—Domestic spot market tight. Demand normal. Stocks of imported small and prices strictly nominal.

Soda Sulphide.—Transactions moderately active. Prices unchanged and firm.

Soda Sulphite.—Prices remain firm. Shipments steady.

Strontium Salts.—Business routine. Pricewise no change occurred.

Sulphur, Refined.—New business on a conservative scale. Quotations firm.

Tin Salts.—Quotation now available for tin oxide at 55c. per pound; no change occurred in anhydrous tetrachloride of tin at 25¼c. per pound. Straits metal was ½c. higher with spot 51½c. per pound.

Zinc Sulphate.—Market position firm. Withdrawals against contracts moderate and steady.

Acids

A steady to firm price tone continued to characterize the market for mineral acids last week. Shipments did not increase to any extent, but held at fairly steady levels. Some slightly leveling off was discernible in certain acids, but not sufficient to cause any apprehension. The outook for increased consumption by various basic consuming industries remained favorable. Export inquiries remained good in such acids as formic and oxalic, but offerings were not large.

Acetic.—Prices steady. Shipments hold at moderate levels.

Battery.—Market routine. Prices failed to change.

Chromic.—Firm price tone, with activity moderate.

Formic.—Market position firm. Shipments steady.

Gallic.—Business fair, with market position strong.

Hydrofluoric.—No change in the prices, with shipments moderate.

Lactic.—Buying irregular. Pricewise no change occurred.

Muriatic.—Spot and contract shipments steady. Prices without change.

Naphthenic.—Prices nominal. Commitments steady to regular channels.

Nitric.—Good inquiry. Market fully retained its firm position.

Oxalic.—Supplies adequate for regular consumers, little offered for export. Prices rule firm.

Phosphoric.—Dealings routine. Prices without change.

—Continued on page 26

Nickel Found in Arizona

An exceptionally rich nickel deposit has been found near Littlefield, Ariz., according to W. J. Graham, secretary of the Arizona Mineral Resources Board. Surface samples, Mr. Graham reported, show a nickel content of .68 of one percent, with a by-product of platinum running from $1.50 to $3.50 per ton. A small copper content is also noted, he added.

Bag Closing Manual Unit Offered by Bemis Bag Co.

A portable bag closer, the "Super-Looper," has been placed on the market by the Bemis Bro. Bag Company, of St. Louis, Mo. The needle of the new machine is operated by friction rollers which rotate as the unit is drawn across the bag top. It requires no electric power and has no external attachments, cables, wires, or supports. It weighs only 8¾ pounds.

Additional features of the new unit are that it automatically cuts the thread as it leaves the bag, and that it has provision whereby a tag can be sewn directly on the bag while it is being closed. The manual closer is said to be especially valuable for closing small lots or special orders without the need of interrupting production schedules on the regular machine stitchers. Descriptive literature on the "Super-Looper" may be secured by addressing the Bemis Bro. Bag Company, 601 South Fourth street, St. Louis, Mo., mentioning the REPORTER.

Gustavus J. Esselen, Inc., consulting chemists and chemical engineers, Boston, will close its laboratories for a two weeks' vacation from August 19 to September 2. Its office will remain open during the vaction period for handling emergency matters.

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Heavy Chemicals

Acids

—*Continued from page* 25

Sulphuric.—Operations in steel industry continue to support market, other consumers making fair size commitments. Outlook favorable. Prices unchanged and firm.

Baltimore, July 24.—The market for sulphuric acid continues without any changes in the quotations, which remain at $12 per ton for 60-degree, and at $15 per ton for 66-degree acid. Some new business is being booked, with other orders to make up for deficiencies not anticipated at the time the contracts were entered into. This state of affairs also applies to oleum, with the nominal figure at $17 per ton for 20 percent supplies.

Insecticides

Buying of most agricultural insecticides and fungicides held at modest levels last week. The season as a whole has been rather disappointing. Cold weather earlier in the year prevented any sustained movement, while later conditions were not generally favorable for any good-size movement. With the season rapidly coming to a close, sellers were not anticipating any bulge in business. There was little indication of any important price changes at this time, and quotations established previously were maintained.

Bordeaux Mixture. — Business conservative. Prices rule unchanged.

Calcium Arsenate. — Interest only fair. Pricewise no change occurred.

Lead Arsenate. — Buying limited. Prices in line with those established previously.

Nicotine Sulphate.—Market devoid of any new developments. Demand routine.

Paradichlorobenzene. — Demand moderate. Prices without alteration.

Soda Arsenate.—Fair inquiry. No change disclosed in the quotations.

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Dyestuffs, Textile and Leather Chemicals

Business Lacks Improvement — Corn Derivatives Advanced —Bichromates Moderately Active—Dyestuffs Remain Dull —Better Inquiry for Tanning Materials with Prices Firm

Business in the market for dyestuffs, textile and leather chemicals underwent little improvement last week. Consumers continued to mark time, buying proceeded on a hand to mouth basis, which was characteristic of trading for the past several weeks. A little more interest was reported from tanners for certain materials, but buying from textile trade lacked much broadening. Domestic business still lagged, but support from the government was expected to be felt soon.

Corn derivatives provided about all the price activity. Quotations were marked up for tanners corn sugar, dextrin and starch as a result of the sharp advance in the corn market. Dry and hot weather over most of the corn belt brought about some apprehension over the new crop prospects. Statistical position of the commodity was also a contributing factor.

Bichromates continued to move moderately against contracts, with less activity in the resale market. No further changes occurred in sulphonated oil quotations. Dealings in potash and soda prussiates were only routine. Natural dystuffs continued dull. Egg products and starches were without any change on light trading. Tanning materials experienced a little better inquiry, and prices were in conformity with those established previously.

Chemicals

Alumina Acetate.—Prices without change, dealings only routine.

Alumina Chloride.—Buying held close to production needs. Prices unaltered.

Ammonia Acetate.—Prices rule firm. Trading light.

Ammonia Bichromate.—Small lots continued to make up the call. Prices continued firm.

Antimony Salts.—Price tone firm, but business conservative.

Chrome Acetate.—Modest quantities provided bulk of business. Prices without change.

Potash Bichromate.—Contract shipments moderate. Fair export inquiry. Prices firm.

Potash Prussiate.—Price for red strictly nominal; stocks small. Yellow in fair demand, with prices firm. Imports of yellow during 1939, 55,385 pounds; all of which came from the Netherlands, and compared with 140,054 pounds in preceding year.

Soda Bichromate.—Demand moderately active. Less activity in resale market. Price tone firm.

Soda Prussiate.—Interest routine. No change in the prices. Imports during 1939 aggregated 1,411,683 pounds; the Netherlands, Japan, Belgium and Germany were the suppliers.

Sulphonated Oils.—As announced late preceding period, prices for various grades castor oil lowered fractionally. No change occurred in the olive and tallow. Business fair.

Zinc Dust.—Market firm. Transactions moderate.

Dyestuffs

Annatto.—Trading was dull in this direction. Prices rule unchanged.

Cochineal.—No broadening in the demand. Prices continued firm.

Fustic.—Buying only fair. Pricewise a firm tone predominated.

Hypernic. — Dealings light. No change disclosed in the prices.

Indigo.—Market position firm. Interest narrow.

Logwood.—Market remained a routine affair. Prices rule firm.

Madder Dutch.—Business dull. Quotations lacked any change.

Turmeric.—Market remained firm, offerings not large, but interest narrow.

Price Changes

Advanced

Corn, dextrin, 10c. per 100 lbs.
starch, 10c. per 100 lbs.
sugar, tanners, 10c. per 100 lbs.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
144.8	**144.6**	**144.7**	**135.7**

Market news that may have developed after this report was sent to press will be found on page 4.

Sizing Materials

Albumen, Blood.—Demand steady. No change occurred in the prices.

Albumen, Egg.—Market a dull affair. Quotations steady to firm.

Corn Sugar.—Various grades tanners sugar lifted 10c. per 100 pounds. Buying moderate.

Dextrin, Corn.—Quotations for all grades advanced 10c. per 100 pounds to conform with higher corn prices. Business fairly steady.

Dextrin, Potato.—Imported material nominal. Moderate inquiry.

Egg Yolk.—Little activity in this direction. Prices remain the same.

Starch, Corn.—Prices 10c. per 100 pounds higher, effective immediately. Bookings moderately active. Visible supplies of corn decreased 1,142,000 bushels in week ended July 20.

Starch, Potato.—Domestic material firm and unchanged. Steady interest.

Starch, Rice.—No change disclosed in the prices. Business spotty.

Starch, Wheat.—Trading routine. Pricewise no change occurred.

Tapioca Flour. — Quotations rule firm. Inquiries reached market in satisfactory volume.

Tanning Materials

Chestnut Bark.—Routine demand. Prices remain the same.

Cutch.—New business light. Prices continue firm.

Gambier.—Market nominal. Dealings narrow.

Hemlock.—Steady to firm price tone. Business only fair.

Mangrove Bark.—Prices same as established preceding period. Moderate demand.

Myrobalans. — Prices lacked any change. Inquiries slightly better.

Quebracho.—Withdrawals hold moderate. Pricewise a firm tone remained in evidence.

Quercitron.—Shipments fair. Prices without change and firm.

Valonia.—Quotations for beards and cups the same. Demand moderate.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Textile Chemists and Colorists, Oct. 18-19, New York.

Aridye Corp. to Build So. Carolina Warehouse

The Aridye Corporation, manufacturer of textile printing materials, Fairlawn, N. J., has let a contract for the construction of a warehouse and laboratory in Rock Hill, S. C. When completed, the branch will house stocks now maintained in several Southern cities. The consolidation of Southern distribution will result in improved service to textile establishments in the area, it is stated. The Aridye organization is currently represented in the area by T. N. Robbins.

Railroad Spurs Costs Must Be Paid by Users

—Continued from page 4

ation constitutes undue prejudice and preference and is a violation of section 6 (7) of the interstate commerce act. The commission said, in part:—

There appears to have been no duty upon common carriers, under the common law, to construct and maintain side tracks on private property to serve private industry. Under the interstate commerce act, section 1 (9), the duty is imposed on rail carriers, under certain conditions, to construct, maintain and operate upon reasonable terms a switch connection with private side tracks; but there is no duty imposed to construct or maintain private side tracks.

A common carrier may not impose upon itself by contract any burden or grant any privilege or perform any service or make any allowance with respect to the traffic of a particular shipper except under the authority of its published tariffs, and then only when the burden is assumed or the privilege granted or allowance made to all shippers under like circumstances and similar conditions.

In the absence of a tariff provision, for a carrier to assume under its rates an obligation which is not covered by such rates is clearly in violation of section 6 (7) of the act, and when assumed for one shipper and not for another is also necessarily unduly preferential in violation of section 3 (1).

Chemical Workers And Payrolls Down

—Continued from page 5

Payroll Totals

(100 = 1923-25 average)

	June, 1940.	May, 1940.	June, 1939.
Chemicals	164.9	161.9	131.5
Cottonseed oil, cake and meal	48.9	60.1	45.4
Druggists' preparations	126.2	128.5	118.7
Explosives	153.7	141.2	100.9
Fertilizers	78.6	118.6	64.9
Paint and varnishes	136.7	136.3	128.9
Petroleum	136.3	136.8	138.4
Rayon and allied products	314.3	311.4	271.8
Soap	101.1	98.0	97.3

Data compiled by the Bureau of Labor Statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the bases of the 1939 average:—

	Employment. June, 1940.	Employment. May, 1940.	Payroll totals. June, 1940.	Payroll totals. May, 1940.
Metalliferous mining	70.4	69.2	66.8	65.9
Quarrying and nonmetallic mining	47.7	47.1	43.3	42.9
Crude petroleum producing	63.8	63.1	58.7	99.0
Dyeing and cleaning	112.5	108.7	89.6	85.5

Employment in New York

Employment in factories producing chemicals and related products in New York State increased 0.3 percent from May 15 to June 15, gained 1.4 percent in the city, according to the records of the State Department of Labor.

General factory employment increased 0.4 percent from May 15 to June 15, and payrolls rose 1.8 percent during the same period. The department's index of employment for June 15 was 88.8. The payroll index was 86.5. These indexes are based on the average years 1925-1927 as 100.

	Percentages—State.	Percentages—City.
Drug and industrial chemicals	—0.6	—0.1
Oil products	+1.3	+1.3
Paints and colors	+1.4	+2.6
Photographic and miscellaneous chemicals	+0.4	+7.0

Natural Products Refining Co.
910 Garfield Avenue,
Jersey City, N. J.
Natural
Natural BICHROMATES

"NIAPROOF"*
ALUMINUM SALTS FOR WATER REPELLENT TREATMENTS

Especially developed for the modern concentrated water repellent preparations, "Niaproof" contains 35 to 37% active Al_2O_3. It is readily soluble in water giving solutions of 5.1 to 5.4 pH depending on concentration; which can be reduced if desired to a pH range of 3 to 4 by the addition of Glacial Acetic Acid.

"Niaproof" Basic is prepared for compounds requiring a basic salt. It contains 34 to 35% active Al_2O_3. Solutions have a pH range of 4.7 to 4.8 which can also be lowered by the addition of Acetic Acid.

Samples of both grades, as well as 20% Normal or 32% Basic Aluminum Acetate Solutions, are available on request. *Trademark

NIACET CHEMICALS CORPORATION 4703 PINE AVE., NIAGARA FALLS, NEW YORK

MUTUAL BICHROMATES
BICHROMATE OF SODA
BICHROMATE OF POTASH
CHROMIC ACID
MUTUAL CHEMICAL CO. OF AMERICA
270 MADISON AVE. NEW YORK
PLANTS AT BALTIMORE AND JERSEY CITY MINES IN NEW CALEDONIA

CRESOLS

There is a type of Barrett Cresol suitable for any commercial demand — Ortho-, Meta-, Para- and Metaparacresols as well as special blends. They are made to precise specifications by America's leading manufacturer of coal-tar chemicals.

Cresol U. S. P.

Cresol U.S.P. is used for the manufacture of Liquor Cresolis compositus; as a preservative and in the manufacture of textile soaps and wetting out agents. It is water white as produced, but darkens in time. Distillation not less than 90% between 195-205°C.

Metaparacresols

Metaparacresols are available in three principal grades, and are widely used in the manufacture of synthetic resins, tricresyl phosphate and other cresol derivatives in which low orthocresol content is desirable. All are produced as light colored liquids. The 2° grade contains approximately 60% Metacresol, and distills 95% in 1°C. range; completely within 2°C. between 200.3° and 203°C. The 3° grade contains approximately 55% Metacresol, and distillation range is 3°C. between 200°C. and 203.5°C. The 5° grade contains approximately 53% Metacresol and distills within 5°C. range between 199-205°C.

Orthocresol

Orthocresol is produced as a white crystalline material and is used in preparation of synthetic tanning agents; orthocresotinic acid and cumarin; and in some synthetic resins. It is used in controlled amounts with phenol or other cresols to impart plasticity to their resinification products. Three regular grades are manufactured with minimum melting points of 30.4°C.; 30°C.; 29°C. and maximum distilling ranges of 95% within 2°C., 90% within 2°C. and 100% within 5°C. respectively. Lower melting point grades can also be supplied.

Metacresol

Metacresol is an especially fast reacting tar acid, used in moulding-type phenolic resinoids and in production of certain refined organic chemicals. It is produced as light colored liquids boiling between 199° -204°C., in grades of 80-82% and 70-75% purity.

Paracresol

Paracresol is used in the preparation of dyestuffs and oil-soluble resins. It is produced in two grades: 92-94% and 98-100% pure. Both are light-colored crystalline materials melting not lower than 29.2°C. and 33°C. (dry basis) respectively.

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. . . One of America's great basic businesses

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This new 36 page, pocket-sized booklet lists the many important chemicals Barrett manufactures, and provides a finger-tip reference which gives concise descriptions and uses of each product. We will gladly send you a copy on request. No obligation.

Barrett
CHEMICALS

Coaltar Chemicals

Business Routine—Steel Output at New High for Year—Export Inquiries Less—Phenol Exports Show Increase—Cresylic Acid Firm — Coaltar Colors Demand Spotty

Shipments of coaltar chemicals were routine last week. New business was quiet, however, and aside from moderate withdrawals against contracts, the market lacked much feature. Operations in some basic consuming industries lagged; the synthetic resin and plastic trades gave the market satisfactory support. Export inquiries in many chemicals continued to dwindle. Steel operations reached a new high level for 1940. Pricewise the market was without any new developments, and the general tone remained steady to firm.

Benzol position lacked much improvement from recent weeks; export inquiries were light and production entirely adequate to cope with the demand. Toluol moved steadily for domestic consumption, but export interest apparently dried up. Movement of cresylic acid failed to broaden, although domestic prices were well sustained. Naphthalene continued a routine affair. Only fair interest was exerted in creosote oil. Movement of coaltar acids and intermediates was mostly routine. Coaltar colors were spotty.

With the shipment in May of 253,000 pounds of phenol, the upward trend in exports of this product was resumed after the decline evidenced in April when slightly more than 3,000 pounds were shipped out. During the first quarter of 1940 a total of approximately 900,000 pounds were exports. A change in countries of destination was noted in May shipments, the major takers in that month being Australia, Finland and Hungary, whereas earlier in the year Belgium, United Kingdom, Canada, Brazil and China were the principal consuming markets.

Price Changes

Advanced

None.

Reduced

None.

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compares as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.2	127.2	127.2	125.2

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Demand continued moderate against contracts. Export inquiry light. Prices unchanged. Production during 1939, except motor benzol, 30,470,459 gallons, against 17,744,657 gallons in 1938. Exports of all grades 12,990,391 gallons, compared with 10,613,464 in 1938 year.

Coaltar.—Routine movement of crude and refined. No change in the prices.

Creosote Oil.—Fair interest. Pricewise no new developments occurred, with market tone firm. Output during 1939 totaled 110,241,843 gallons, against 88,066,812 gallons in 1938; imports were 51,876,602 gallons, contrasted with 55,391,590 gallons in previous year.

Cresols.—Commitments held close to current requirements. No change was disclosed in the prices, with a steady to firm tone prevailing.

Cresylic Acid.—Demand failed to broaden, and interest was spotty. Domestic prices well maintained. Little new transpired in the imported material.

Naphthalene.—Dealings remain routine. Crude prices nominal. Imports small. Production crude in 1939 was 104,085,593 pounds, against 53,584,209 in preceding year; imports were 41,103,531 pounds, compared with 29,966,305 pounds in 1938.

Phenol.—Shipments maintained at a steady pace to most consuming channels. Fair export inquiry. Prices rule firm.

Pitch, Coaltar.—Shipments moderate for nearby needs. Pricewise no change was disclosed. Output in 1939 amounted to 568,153 tons, against 447,168 tons in 1938 year.

Pyridin. — Buying fairly steady against contracts. Prices unchanged and firm.

Toluol.—Domestic shipments sufficient to keep market in strong position. Export inquiry light. Prices unchanged. Output crude and refined during 1939 was 24,355,116 gallons, against 16,089,570 gallons in previous year.

Xylol.—Moderate demand from regular channels. Quotations were without change. Production in 1939 totaled 4,089,090 gallons, contrasted with 2,900,243 gallons in 1938 year.

Chicago Coaltar Bases

Buying of coaltar bases is on a generally routine basis. Ruling prices exclusive of tax are:—Benzol, 90 percent, 15c. to 16c. per gallon; motor benzol, 11c. to 11½c.; toluol, 27c.; 10-degree xylol, 29c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic. — Trading displayed little change from recent periods. Prices unchanged.

Benzoic. — Business routine. No change occurred in the quotations.

Broenner's. — Consumers made modest replacements. Pricewise a firm tone prevailed.

Cleve's.—Usual consumers entered the market for nearby requirements.

Fumaric.—Inquiries reached the market in satisfactory volume. Prices failed to change.

Gamma.—A fair interest was displayed in this direction. Prices unaltered.

H.—Market a strictly routine affair. Prices rule firm.

Laurant's. — Withdrawals commensurate with nearby needs. Quotations without change.

Malic.—Shipments moved in a moderate manner. Prices lacked any new developments.

Maleic.—Spot and contract commitments moderately active. No change in the prices.

Picramic.—A firm tone governed the transactions. Fair demand.

Picric. — Market position strong. Business usually limited to regular channels.

Salicylic. — Interest steady in most directions. Pricewise a firm tone prevailed.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Textile Chemists and Colorists, Oct. 18-19, New York.
Pest Control Association, Oct. 28-30, Indianapolis.

Succinic.—No broadening in the demand was discernable, but market retained its firm tone.

Sulphanilic. — Moderate quantities made up the call. Prices unchanged.

Tobias.—No new developments occurred, trading was routine and prices the same.

Other Intermediates

Alphanaphthol.—While demand was was spotty, market position remained firm.

Alphanaphthylamine. — Dealings routine. Prices were unchanged and firm.

Anilin.—Commitments held at moderate levels. A firm tone prevailed.

Anthracene.—Buying was fair. No developments took place in the prices.

Anthraquinone.—Demand was held close to production requirements. Prices ruled firm.

Benzaldehyde.—Technical grade received fair support. Sellers made no changes in the prices.

Benzidin Base.—Firmness characterized the trading, while demand was fairly steady.

Betanaphthol. — Consumers made their appearance for moderate quantities as a rule.

Betanaphthylamine. — There was little disposition to broaden commitments. Prices lacked any change.

Dimethylanilin. — Demand moderately active. Quotations ruled unchanged and firm.

Dinitrobenzene.—Shipments moved against contracts in satisfactory fashion.

Dinitrochlorobenzene.—Trading held at steady levels. Prices firm.

Dinitronaphthalene.—A firm price tone prevailed, and dealings were maintained at favorable levels.

Dinitrophenol. — Consumers displayed a conservative disposition in most instances.

Dinitrotoluene. — Market position strong, with trading confined to usual channels.

Diphenyl.—Not much new developed in the market. Prices held the same.

G. Salt.—Market continued routine. Prices failed to change.

Metanitroparatoluidin.—A steady to firm price tone remained in evidence. Small lots usually made up the call.

Nitrobenzene.—Spot and contract interest was maintained at satisfactory pace. Pricewise a firm tone predominated.

—Continued on page 34

General Dyestuffs Offers Two New Diazo Blacks

The General Dyestuffs Corporation, this city, is offering two improved acetate soluble diazo blacks. These products, known as 'Cellitazol BNF' extra soluble and 'Celitazol 3GNF' extra soluble, are said to be easily dissolved in hot water requiring no dispersion and which, for this reason, are said to give best penetration on piecegoods, yarns and tops.

Colour Council Re-Elects

John A. Milne has been re-elected president of the British Colour Council. The council has issued a ten-page brochure, "Ten Years of Achievement: What of the Future?", which may be obtained by direct application to the council offices in 28 Sackville street, London, W. I. The brochure makes special reference to the work of the council since the outbreak of the war.

Federal Creosoting Plans Plant in Sidney, N. Y.

Construction of a creosoting plant in Sidney, N. Y., is planned by the Federal Creosoting Corporation, a subsidiary of the American Lumber & Treating Company, Louisville, Ky. The cost is placed at $50,000.

Semet-Solvay Company, a subsidiary of the Allied Chemical & Dye Corporation, this city, has awarded construction of ten all-welded Kennedy-type barges for movement of either coal or coke on the Kanawha and Ohio rivers.

Semet-Solvay Co. Acquires Wilputte Coke Oven Corp.

Semet-Solvay Company, a subsidiary of Allied Chemical & Dye Corporation, this city, has acquired the Wilputte Coke Oven Corporation, builder of coke ovens and by-product recovery apparatus and gas generating equipment, this city. Louis Wilputte and his staff will from now on be associated with Semet-Solvay Company.

Monsanto Earnings Up

Net income of the American companies of Monsanto Chemical Company, St. Louis, after all charges, for the second quarter of 1940, amounted to $1,465,689. After deductions for preferred dividend requirements and the minority interest in an American subsidiary, $1.07 a share was earned on the 1,241,694 common shares outstanding on June 30, 1940. Net earnings for the corresponding quarter of 1939 were $918,801, or 64 cents on the 1,241,712 shares outstanding at the end of that period.

Motor Carrier Freight Changes Effective Aug.26

—Continued from page 4

30, 26, and 23 cents for a minimum of 5,000, 10,000, 15,000 and 20,000 pounds, respectively.

Field seeds, such as soybeans, etc., from St. Louis, Mo., to Cincinnati, Ohio, 50 and 40 cents for a minimum of 5,000 and 10,000 pounds, respectively, and to Louisville, Ky., 45 and 36 cents for a minimum of 5,000 and 10,000 pounds respectively.

Empty compressed gas steel cylinders, from Cleveland, Ohio, to Detroit, Mich., 24 cents.

Brake or shock absorber fluid, other than petroleum, from Dayton, Ohio, to Richmond, Ind., 15 cents.

Fire prevention, and the causes and control of fire are discussed in a booklet recently published by Harold J. Davis, safety engineer, 3927 East Admiral place, Tulsa, Okla. The price of the booklet is twenty-five cents per copy.

Chemical Producers Ask Part in U.S.P. Revision

—Continued from page 3

Resolved, That, in the opinion of this committee, the constitution of the United States Pharmacopeial Convention should be amended to require that adequate representation be given to chemical manufacturers on any committee of revision hereafter constituted.

That the position of the chemical manufacturers with reference to U.S.P. revision is sympathetically appreciated in the councils of pharmacopeial affairs is evident in a statement by Prof. E. Fullerton Cook, chairman of the U.S.P. revision committee, in a commentary on the recent U.S.P. convention in the July issue of The *Journal of Pharmaceutical Education.* Professor Cook says:—

It is particularly to be regretted and difficult to understand why representatives of the chemical organizations in the convention were denied membership on the committee of revision, particularly in view of the outstanding contributions by some of them to both the U.S.P. and N.F. for the past twenty years and especially since more than half of the U.S.P. texts are chemical in character and we must also standardize over one hundred reagents.

Fortunately the ideals and principles of the men in the chemical group and others familiar with the retail drug store problem are such that notwithstanding their failure to be elected to the committee they have already pledged continued service for the new revision as auxiliary members.

It is such auxiliary members, widely distributed and from every field of the medical and pharmaceutical sciences, personally unselfish, highly scientific and professional, who have always been depended upon for important and essential contributions to the work of revision. This type of loyal support has made possible the notable U.S.P. developments of the past and fortunately their affiliations are again assured.

There is general evidence in inner U.S.P. circles that chemical science and chemical manufacturing will be given due formal recognition as vacancies on the revision committee permit.

TAR ACIDS
Phenol · Cresol
Cresylic Acid

TAR ACID OILS

KOPPERS CHEMICALS AND SOLVENTS
Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and Industrial) . . . Solvent Naphtha (Including High Flash) . . . Naphthalene . . . Shingle Stain Oil . . . Refined Tars . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

OTHER KOPPERS PRODUCTS
Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Sulphur Recovery Apparatus . . . Phenol Removal Apparatus . . . By-Product Recovery Apparatus Fast's Self-aligning Couplings . . . Piston Rings . . . Valves . . . Pressure-treated Lumber

PHENOL—All Standard grades such as 82% and 90% and 39° Melting Point Pure.

CRESOL—U.S.P. with very close cut distillation range and light color, for pharmaceutical purposes—Mesta-Para Cresol with high meta cresol content—Resin cresols close cut to wide boiling with guaranteed meta cresol contents and clean odor.

CRESYLIC ACID—Many distillation ranges appropriate for all established uses—pale color—clean odor—total impurities besides water not exceeding one half of one per cent.

TAR ACID OILS—Frozen crystal free at 0°C.—good emulsion-forming properties—low benzophenol content appropriate for low to high coefficiencies with tar acid contents as required.

KOPPERS COMPANY · PITTSBURGH, PA.

SYNTHETIC RESINS
ANTISEPTICS
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DYES
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Industrial Uses of Chemicals and Related Materials

(Formerly Styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Seven-hundred-seventh Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Acetoacetorthochloroanilide

Dye

Intermediate in making—
Hansa yellows
Hansal yellow, 10G, with diazotized parachlorothonitranilin

6-Acetamido-2-parabetahydroxyethylamino-1-methylquinolinium Methiodide

Pharmaceutical

Claimed (Brit. 495783) as—
Therapeutically valuable agent (trypanocide) which is advantageous in being more soluble and less toxic than known 2-styrylquinolinium salts

Ammonium Phosphate, Hemibasic

Agriculture

Nutrient for—
Truck gardens

Brewing

Nutrient for—
Yeast

Chemical

Nutrient for—
Yeasts

Distilling

Nutrient for—
Yeast

Food

Nutrient for—
Yeast

Miscellaneous

Nutrient for—
Yeast

Butylpyrogallol, Tertiary

Photographic

Developing agent (U.S. 2037742) in—
Photographic processes (claimed to be particularly suitable for tropical use)

Dilorolpyridinium Phosphite

Lubricant

Starting point (Brit. 457548) in making—
High-pressure lubricants, die-making lubricants, boring oils, drilling oils, cutting oils, and wiredrawing oils by solution, dispersion, or emulsification in carriers, such as mineral, vegetable, or animal oils, paraffin, water, graphite, grease, or porous bearing metal

2:4-Dinitro-6-cyclohexylphenol

Insecticide and Fungicide

Toxic agent in—
Insecticide mixtures for controlling—
Aphis
Fruittree pests
Red spider mite
Rust on carnations
Scale
Thrips
Insecticide mixtures for protecting—
Citrus fruits
Deciduous fruits
Field crops
Walnuts

Fluopalmitic Acid

Disinfectant

Germicide (Brit. 453830) in—
Disinfectant soaps

Gammadiethylamino-N-propyl Alphaphenylpropionate

Pharmaceutical

Claimed (Brit. 483704) as—
Medicinal agent having marked spasmolytic properties and only very slight toxicity

Isobutyl Para-aminobenzoate

Pharmaceutical

Claimed as—
Topical anesthetic, nonirritating and nontoxic
Suggested for use in treating—
Burns
Eczema
Sunburn
Suggested ingredient of—
Coughdrops
Creams
Lozenges
Ointments
Pharmaceuticals
Suppositories
Syrups

Magnesium Phosphate, Tribasic

(Dreibasischesphosphorsauresmagnesium, Dreifachmagnesiumphosphat, Drittelsauresmagnesiumphosphat, Phosphate de Magnesie Tribasique, Phosphate Magnesique, Phosphate de Magnesium Tribasique, Phosphate Trimagnesique, Phosphate de Trimagnesium, Phosphorsaurestrimagnesium, Trimagnesium Phosphate)

Cellulose Products

Inflammability reducer (U.S. 1440178) for—
Airplane dopes
Cellulose acetate
Fabrics

Chemical

Process material in making—
Magnesium acetylsalicylate (U.S. 1217862)
Trisodium phosphate (U.S. 1360248)
Reagent in various chemical processes

Cosmetic

Ingredient of—
Dentrifices

Dental

Ingredient of—
Cements
Cement (special) (U.S. 1408960)
Special detergent compositions

Electrical

Ingredient (U.S. 1155649) of—
Rectifier composition

Fertilizer

Ingredient (U.S. 1282170 and 1360248) of—
Fertilizer compositions

Food

Ingredient (U.S. 1273145) of—
Milk substitute

Glass

Ingredient (U.S. 1153353) of—
Semiopaque glass
Semitranslucent glass

Miscellaneous

Adsorbent in various compositions
Ingredient of—
Metal cleanser (U.S. 1268237)

Paint and Varnish

Ingredient of—
Dopes (special) (U.S. 1440178)
Lacquers, dopes, paints
Lacquers (special) (U.S. 1440178)
Paints (special) (U.S. 1367597)
Rust-preventing paint for iron and steel (U.S. 1367597)
Raw material in making—
Boneblack (U.S. 1518289)

Paper

Cooking and digesting agent (U.S. 1910613) for—
Cellulose

Pharmaceutical

In compounding and dispensing practice
Suggested for use as—
Antacid

Photographic

Hardening agent (U.S. 1424062) for—
Photographic coatings

Paratoluene-Sulphosodium Chloroamide

Adhesives

Disinfectant for—
Adhesive preparations

Brewing

Disinfectant, bleaching, and oxidizing agent for various purposes

Disinfectant

Disinfecting agent for use in—
Technical processes and purposes

Glue and Gelatin

Disinfectant, bleaching, and oxidizing agent for—
Glue
Gelatin

Gums

Disinfectant and bleaching agent for—
Gums

Miscellaneous

Disinfectant, bleaching and oxidizing agent for—
Starch
Technical purposes

Paper

Disinfectant for—
Starch
Solubilizing agent for—
Starch

Textile

Bleaching agent
Disinfectant for—
Starch
Oxidizing agent
Solubilizing agent for—
Starch

Sorbitolglyceryl Laurate

(Laurate de Sorbite et de Glycerine, Laurate de Sorbite Glycerique, Laurate de Sorbite et de Glyceryle, Laurate de Sorbite Glycerylique, Laurate de Sorbitol et de Glycerine, Laurate de Sorbitol Glycerique, Laurate de Sorbitol et de Glyceryle, Laurate de Sorbitol Glycerylique, Laurinsauressorbitglyzerin, Laurinsauressorbitglyzerinester, Laurinsauressorbitglyzeryl, Laurinsauressorbitglyzerylester, Laurinsauressorbitolglyzerin, Laurinsauressorbitolglyzerinester, Laurinsauressorbitolglyzeryl, Laurinsauressorbitolglyzerylester, Sorbite Glyceryl Laurate)

Cosmetic

Emulsifying agent in making—
Emulsified creams, ointments, and the like

Food

Emulsifying agent for—
Alcohol
Fats
Oils
Various food products and ingredients

Miscellaneous

Emulsifying agent claimed to offer the following properties—
Completely dispersible in water, forming milky emulsions whose concentration is easily controlled
Edible
Light-amber color
Neutral

Pharmaceutical

Suggested emulsifying agent in making—
Compounded preparations

Titanium Tetrachloride

(Continued from July 22 issue)

Military

Smoke-producing agent (U.S. 1338343, 1433732, and 1619183) in—
Protective smoke screens and clouds (said not to develop quite so dense a cloud as does white phosphorus, but the cloud is formed without the evolution of heat and thus is said to be more stable and less likely than clouds formed from white phosphorus to be dissipated by air currents set up by the heating effects)

Mining

Process material (U.S. 1425185) in—
Ore flotation

Miscellaneous

Process material in making—
Artificial pearls
Smoke-producing agent in—
Sky writing (U.S. 1619183)
Study of air currents and air circulation

Paint and Varnish

Base material in making—
Delustring agents for varnishes and lacquers containing cellulose acetate (U.S. 1906148 and 1906149)
Metallic soaps with fatty acids
Pigment (U.S. 1504673)
Titanium dioxide (U.S. 1189229 and 1223358)
Titanium pigments (Brit. 395265)

Petroleum

Catalyst in cracking—
Hydrocarbons (U.S. 1381098)
Oil (U.S. 1424574)
Ingredient (Brit. 406963) of—
Catalytic mixtures used in—
Destructive hydrogenation processes
Hydrogenation processes
Purifying mineral oils
Process material (U.S. 1277329) in purifying—
Kerosene
Gasoline
Lubricating oil
Paraffin

Rubber

Process material (U.S. 1846247) in making—
Resinous materials from rubber

Textile

Mordant in—
Dying and printing processes (used in combination with cream of tartar)

1:3:5-Trimethyl-5-piperidinobarbituric Acid

Pharmaceutical

Claimed (Brit. 414293) as—
Medicinal agent having good hypnotic properties, but low toxicity

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Paint, Varnish, Lacquer Materials

General Paint Materials Market Routine and Quiet — Chemical Colors Fairly Active — Pigments Less Active — Casein Stronger — Rosin More Active and Steadier

Noteworthy new developments in the general market for raw paint materials were few last week, the market as a whole being routine and quiet. There was a surprisingly good activity in chemical colors, but this market, too, was beginning to encounter seasonal dullness.

Pigments were moving more slowly, with zinc oxides leading the pace as far as interest in offerings was concerned. Titaniums were in fairly good demand. Lead derivatives were more sluggish. Inert pigments and filler products were in a routine groove. Indications were that the natural gum demand would not become active until the end of Summer and the market for synthetic resins, although activity was fair last week, was also beginning to slacken. The buying interest in casein was small but this market was reported firm to strong due to two factors. One was the low stocks of domestic material in the hands of producers and the other was the sharply curtailed production of the Argentine product.

Rosin demand showed improvement and Southern and local markets had a steadier tone, the trend of prices being upward at times. Turpentine ruled steady with trade fairly active. Consumption of both rosin and turpentine seems to some to be on the increase and a further expansion in the requirements of consumers is expected as soon as the national defense program gets well under way. Weather conditions were generally favorable for production and marketing of rosin and turpentine last week and receipts were liberal, but there was a tendency in some quarters to revise estimates of the output for the season downward owing to the prolonged, unfavorable weather during the early months of the naval stores year.

Price Changes

Advanced

Rosin, gum, 1c. to 15c. per 100 lbs.
Turpentine gum, ½c. per gal.

Reduced

Rosin oil, 1c. per gal.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.2	**126.2**	**126.2**	**131.2**

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

The demand for pig lead was a bit more active last week than it had been the previous period, but the market was still characterized by quiet. Sellers, however, although not buying heavily, were showing a lot more interest in offerings of the metal. Prices were steady and unchanged at both New York and St. Louis. The slab zinc market was more or less sluggish with no developments worthy of special mention. Prices were well maintained at previous levels.

Lead. — Prevailing spot prices at New York, East St. Louis and London for the period from July 20 to July 26, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0500@0.0505	$0.0485	..* .. ..
Monday	.0500@0.0505	.0485	.. .. ..
Tuesday	.0500@0.0505	.0485	.. .. ..
Wel'sd'y.	.0500@0.0505	.0485	.. .. ..
Thursday	.0500@0.0505	.0485	.. .. ..
Friday	.0500@0.0505	.0485	.. .. ..

* London exchanged closed.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from July 20 to July 26, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0565	$0.0625	..* .. ..
Monday	.0565	.0625	.. .. ..
Tuesday	.0565	.0625	.. .. ..
Wednesday	.0565	.0625	.. .. ..
Thursday	.0565	.0625	.. .. ..
Friday	.0565	.0625	.. .. ..

* London exchange closed.

Pigments

Antimony White. — Demand continued routine. Price firm.

Flake White.—Market quiet. Consumers showing little buying interest. Price steady.

Litharge. — Movement normal for time of year. Price steady.

Lithopone.—Buyers fairly active but sales volume lighter than in previous week. No changes in quoted price.

Metronite Pigment.—Steady and unchanged. Demand routine.

Red Lead.—Market attracting less buying interest. Shipments lighter. Prices firm and unchanged.

Titanium Pigments.—Material still moving into consumption at a satisfactory rate. Inquiries for future delivery lighter. Prices steady and unrevised.

White Lead.—Withdrawals were smaller during the period under review. Inquiries were off. Price was steady.

Zinc Oxides.—Buying interest was a good level. Shipments continued to be satisfactory. Prices were firm and unrevised.

Fillers and Extenders

Asbestos.—Business normal. Prices steady and unchanged.

Asphaltum.—Little of new interest. Market routine. Price firm.

Barytes.—Demand and shipments at normal levels. Inquiries lighter. Prices steady and unchanged.

Bentonite.—Market remained quiet. Price firm.

Blanc Fixe. — Tone firm. Trade quiet.

Charcoal.—Fair inquiry for hardwood material. Price firm and unchanged.

China Clay.—Little of new interest. Market routine. Quotations unaltered.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Production Clubs, Oct. 28-30, Washington.
Paint, Varnish and Lacquer, Oct. 30-Nov. 1, Washington.

Are You Having Any Fun...or is the oil situation taking the joy out of life?

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Oil Blue B-5199	Oil Scarlet II
Liquid Oil Black 9096	

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Diatomaceous Earth.—Price ruled steady. Consumers less active. Inquiries off.

Fullers Earth.—Inquiry small. Spot call slack. Shipments light. Price firm.

Graphite.—Routine. Price firm.

Gypsum.—Trade satisfactory but quiet. No price changes.

Mica.—Market tone firm. Demand unchanged from previous week.

Pumice Stone. — Italian material scarce. Prices withdrawn. Domestic grades in fair call.

Rottenstone. — Market in steady groove. Routine and firm.

Silica.—Movement of stocks normal. Price firm.

Talc.—Domestic material in fair call. Imported, nominal.

Whiting.—Little of new interest. Market quiet. Prices steady for all grades.

Woodflour.—Domestic material moving slowly. Norwegian product hard to obtain. Prices unchanged on former, withdrawn on latter.

Driers

No new price developments were recorded in the market for stearates and palmitates during the past week and quotations appeared to be steady to firm. Contracting for delivery during this quarter of the year slowed down somewhat but total booking since the beginning of the third quarter has been satisfactory. Spot sales were light.

Naval Stores

Rosin quotations displayed an upward tendency at times last week and the tone of turpentine also appeared to be somewhat steadier. The change in the situation in this respect was attributed to an improvement in demand and a growing belief that consumption has expanded recently in some industries and that this increase in the requirements of consumers may become more noticeable when the national defense program gets under way and the consumption of raw materials of various kinds, naval stores by no means excepted, broadens out. However, what may be an increase was reported last week in the request for rosin from markers of soap and paper as well as from buyers in other industries.

The government remained in the markets of the South as a seller of rosin and turpentine despite the recent decline in prices for rosin which some thought might cause the withdrawal of the government holdings for a time pending further developments in the matter of open market prices. Weather conditions over the South were generally favorable for production and marketing operations and receipts were rather liberal. It is contended by some, however, that there is little likelihood that the loss in production earlier in the season, as a result of abnormally low temperatures for a prolonged period, will be made up and that the indications now point to the possibility of a smaller production this season that last, instead of the increase of around 10 percent that many had expected during the opening weeks of the season.

A development of interest last week was an announcement from Washington of a downward revision of the rates at which conservation payments to farmers under the 1940 A A A farm program are to be computed. According to the announcement, rates of payment under the naval stores program will be 10 percent less than the tentative rates indicated last November. The revision of rates was made under the provision that the rates of payment are subject to the appropriation available and to upward or downward adjustment for participation by as much as 10 percent.

Commencing next Thursday the quotation on turpentine at Savanah will apply to a gallon weighing 7.2 pounds, instead of a gauge gallon basis as formerly under which the contents of a measured gallon were said to vary according to the temperature prevailing at the time.

Turpentine.—No material change was noticable in the character of business in the local market last week, but in some quarters an increase was reported in the volume of orders for small or moderate quantities of spot turpentine. The prevailing tone was steady.

SAVANNAH, July 26.—Following is a record of the turpentine market for the week:—

	Gallons		Barrels		
	Cents (gal.)	Sales.	Re-ceipts.	Ship-ments.	On hand
*Saturday	...	...	...	...	.....
Monday	20¾	3,250	351	184	10,537
Tuesday	20¾	7,400	324	30	10,831
Wednesday	20¾	1,700	289	44	11,076
Thursday	20¾	4,350	241	6	11,311
Friday	21	4,200	194	11	11,494

* No trading.

JACKSONVILLE, July 24.—Turpentine receipts, 499 barrels; shipments, 1,853; stock, 31,769.

PENSACOLA, July 20.—Turpentine receipts, 335 barrels; shipments, 422; stock, 9,881.

Markets at Other Centers

Chicago—July 26

Movement of turpentine is rather slow. Five-drum lots, 33c. per gallon; five wood barrels, 38c.; single drums, 36c.; single barrels, 41c.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

STEARATES
ZINC STEARATE
CALCIUM STEARATE
ALUMINUM STEARATE
MAGNESIUM STEARATE
Stocks at
• NEW YORK
• CHICAGO
• ST. LOUIS
• KANSAS CITY
• DES MOINES
• LOS ANGELES
• SAN FRANCISCO
• NEW ORLEANS
FRANKS CHEMICAL PRODUCTS CO.
BLDG. 3, BUSH TERMINAL — BROOKLYN, N.Y.

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H-D Flushed Colors for use in process work:
50-F-206, Primrose Yellow
72-F-204, Toning Yellow
90-F-109, Phloxine Toner, Med.
80-F-311, Peacock Blue
WRITE FOR SAMPLES
The Hilton-Davis Chemical Co.
P. O. BOX 8, PLEASANT RIDGE STATION, CINCINNATI, O.

LONDON, July 26.—Turpentine, 53s. per 112 pounds.

Rosin.—The local market for rosin displayed a steadier tone last week, this being a reflection of developments in the primary center where quotations on most grades had an upward trend at times, although changes were not very wide. Business here showed improvement. Much of the purchasing was still along conservative lines, but an increase was noted in some quarters in the request for moderate quantities.

SAVANNAH, July 26.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted—				
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$1.15	$1.15	$1.15	$1.15	$1.15
D	...	1.18	1.18	1.20	1.20	1.20
E	...	1.25	1.25	1.27	1.27	1.27
F	...	1.25	1.27	1.30	1.35	1.39
G	...	1.26	1.28	1.31	1.35	1.39
H	...	1.26	1.28	1.31	1.35	1.39
I	...	1.26	1.28	1.31	1.35	1.39
K	...	1.31	1.33	1.36	1.39	1.43
M	...	1.36	1.38	1.41	1.44	1.48
N	...	1.66	1.66	1.69	1.72	1.72
WG	...	1.91	1.91	1.94	1.87	1.97
WW	...	2.20	2.21	2.21	2.21	2.21
X	...	2.35	2.35	2.35	2.35	2.35
	Barrels					
Sales	...	286	199	229	92	117
Receipts	...	1,167	1,173	1,222	653	945
Shipments	...	506	430	...	...	370
Stocks	...	...	...	...	...	164,699

* No trading.

JACKSONVILLE, July 26.—Rosin receipts, 1,591 barrels; shipments, 3,350; stock, 306,359.

PENSACOLA, July 20.—Rosin receipts, 911 barrels; shipments, 2,802; stock, 47,399.

Markets at Other Centers

Chicago—July 26

Rosin movement is rather restricted. Ruling prices at the close of business last night were: B grade, $5.80 per lot of 280 pounds; G grade, $6.30; M grade, $6.55; W.W. grade, $8.55.

LONDON, July 26.—Rosin, W.W., 32s. 6d. per cwt.

Other Naval Stores

Pine Oil.—A steady tone prevailed here. Fair movement on contracts. New business quiet.

Pitch.—Quotations generally held at former levels. Fair spot demand for small lots.

Rosin Oil.—Tone easier with basic material. Quotations shaded 1c. per gallon. Trade quiet.

Tar.—Fair movement to local and outside consumers on contracts. Market steady.

Dry Colors

Acetylene Black.—Market quiet. Prices firm.

Alkali Blue Toner.—Slight improvement in inquiry. Spot sales small. Price unchanged.

Carbon Black.—Less interest in offerings. Trade still satisfactory, however. Prices steady and unchanged.

Carmine No. 40.—Market tone firm. Demand routine. Shipments normal.

Chrome Colors.—No changes. Demand at previous level. Prices steady.

Iron Blues:—Withdrawal of stocks fairly large. Inquiries off. Prices unchanged and steady.

Iron Oxides.—Material moving in satisfactory volume. No easing in price structure reported.

Lamp Black.—Seasonal slackening reported. No change in price.

Mercuric Oxides.—Prices steady and unchanged. Buyers not interested in offerings. Shipments small. Inquiries off.

Ocher.—Market moving normally. Seasonal trade reported. Price unchanged.

Phosphotungstic Toners.—Consumers' demands holding to good levels. Shipments fairly heavy. Prices steady and unrevised.

Sienna.—Market moving actively. Price structure firm.

Spanish Red Oxides.—Demand continued to be satisfactory to prominent producers. Prices firm and unchanged.

Toner Reds.—The demand for para, lithol and toluidin toners was less active but was still satisfactory. Prices were firm and unaltered.

Ultramarine Blue.—Contract withdrawals smaller. Spot demand only fair. Prices steady.

Vermilion. — English vermilion prices remained at previous levels. Demand very small and shipments light.

Varnish Gums

The market for natural gums remained in the state reported since the beginning of the month. Demand was only routine and sales that were made were for small lots only. Indications were that there would not be much activity in this market until the end of Summer. Reports from primary centers abroad were that slackness prevailed in those sections also.

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Dyestuffs
Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
Lithol Toners
Red Lake C Toners
Permanent Orange Toners
Pyrotone Red Toners
Barium Products
STANDARD
ULTRAMARINE CO.
HUNTINGTON WEST VIRGINIA

Shawnee
DRY COLORS
"Color Content Guaranteed"
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Cadmium Colors
Lake Colors
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CHEMICAL CORPORATION
CLAIRTON, PENNA.

Synthetic Resins

Ester Gum.—Demand continued to hold to good levels. Contracting was slower but withdrawals against previously-made contracts tended to make for heavier shipments. Prices were firm in all sections.

Chlorinated Rubber.—The market was fairly active and shipments into consumption were more regular. Prices were firm and unchanged.

Lacquer Materials

Contract and spot shipments moved at a moderate pace in the market for lacquer materials and solvents last week. The character of buying displayed relatively little change from recent weeks, replacements were made consistently to take care of nearby requirements in the majority of instances. Export inquiries were only fair, and shipments were a great deal less than earlier in the year, reflecting conditions in European markets as the result of the war. Price situation underwent no change, however, the tone of the market was generally steady to firm. Operations in the automotive industry were experiencing seasonal lull, but a stepping up was anticipated in the not too distant future. Meanwhile, support was forthcoming from other consuming industries less affected by seasonal conditions. The outlook for broader interest remained favorable.

Acetone.—Moderate demand. Fair export inquiry. Spot and contract quotations unchanged and firm.

Alcohol, Butyl.—Shipments moved against contracts at a favorable pace. Quotations for normal and secondary remain the same.

Alcohol, Isobutyl.—Dealings were routine. Pricewise no new developments occurred, and tone of market was steady to firm.

Butyl Acetate.—Consumers made replacement fairly steady for moderate quantities as a rule. No change was disclosed in the prices.

Cellulose Acetate.—Prices remain firm at the levels established recently. Demand held at moderate levels.

Dibutyl Phthalate. — Withdrawals made on a scale commensurate with current requirements. Prices ruled unchanged and firm.

Diamyl Phthalate.—Market tone one of firmness. Dealings were routine.

Ethyl Acetate.—Interest maintained at fair levels. Pricewise no change took place, and tone of market continued firm.

Ethyleneglycol.—Shipments moved to most consuming channels at a steady pace for nearby needs. Prices well maintained.

Film Scrap.—Some leveling off discernible in domestic transactions, while export inquiries have narrowed. Prices displayed no change.

Isopropyl Acetate.—Interest remained sufficient to keep market in a firm position.

Methyl Acetate.—Prices underwent no change and continued firm. Withdrawals fairly steady.

Methylethyl Ketone.—Replacement buying made its appearance on a favorable scale. Prices in conformity with those prevailing previously.

Nitrocellulose. — Quotations ruled unchanged, with tone of market steady to firm. Commitments were moderately active.

Tricresyl Phosphate. — Shipments moved at a fair pace, and volume was sufficient to maintain prices at firm levels.

Shellac

Demand for shellac was not too active locally throughout the past week. Spot transactions were conservative in volume and most calls came for quantities not likely to prove a stimulus to prices prevailing here. The market seemed reasonably steady, competition showing a restraint that kept selling prices within fractions of open quotations on the spot. Calcutta was a market of steady undertones throughout the period. Government bids opened July 19 and calling for orange type A, 100,000 pounds for delivery in 120 days at Norfolk Navy Yard and 150,000 pounds for delivery in 140 days at Mare Island, Calif., resulted in the Mare Island lot being let at 14.70c. per pound, and the Norfolk contract being let at 14.55c. per pound, less 1 percent.

Glues and Binders

Casein.—Stocks of domestic material were somewhat low last week. Production of Argentine material was curtailed to a great extent. Demand was not heavy but due to the other factors prices were firm to strong.

Glues.—The market continued to hold to good levels. Demand was satisfactory and prices very firm.

Soybean Protein.—Seasonal movement of material was reported. Price unchanged.

Fluorescent Pigments Formed

The Fluorescent Pigments Corporation has been formed to manufacture fluorescent and phosphorescent powders and lacquers of measured characteristics in various shades and controlled after-glow. The plant and offices of the company will be located at 445 West Thirty-first street, New York, which is also the address of the Prescott Paint Company, sole selling agent for the company. William L. Verch is president of the Fluorescent Pigments and Gilbert T. Schmidling is technical director.

Bakelite Offices Moved

The offices of the Bakelite Corporation and the Halowax Corporation have been moved from 247 Park avenue to the Carbide & Carbon building, 30 East Forty-second street, this city. The firms are units of the Union Carbide & Carbon Corporation.

Paint-up campaign in San Antonio resulted in a consumption of an estimated 28,009 gallons of paint and varnish of an estimated value of $84,572.

Paint Industry Urged To Tie-in FHA Plan

Full cooperation by the paint industry with the Federal Housing Administration's property modernization campaign, opening in August, is urged in the editorial of the July number of National Painters Magazine, which also carries a detailed article on the window displays, advertising and other promotional material available to manufacturers and dealers from FHA.

Paint is the great modernizer, says the editorial. Painting and decorating work is one of the improvements prominently featured in the striking and colorful advertising literature to be provided by FHA, the article continues. Here is a marvelous opportunity for the manufacturers, the distributors and the painting contractors to unite in cooperative support of the FHA campaign for employment of the FHA plan of instalment buying, which is incorporated in all of the paint industry budget plans now available, the editorial points out.

Linking the promotional opportunities possible in the FHA campaign with the need for sustained national advertising for the paint industry as contemplated in the proposed industry plans now under discussion, National Painters Magazine says in its editorial:—

The idea of such a national advertising or publicity campaign was approved by the convention of the National Paint, Varnish and Lacquer Association in San Francisco last November 1, and a committee was authorized to consider ways and means and plans. The action was taken following the detailed presentation of the current merchandising activities of the industry, which were found to be sadly lacking, and the explanation of the value of Time Payment Selling and Styling with Paint as sales tools which, if properly employed, would tend to correct the undersold condition of the paint market.

There is every indication that a sustained campaign of the type proposed would strike the American property owner at a psychological moment. Never have the newspapers printed more news and feature articles on painting and decorating than at this time. The radio is constantly carrying the story. Proof of this is shown in the reports of the Save the Surface Bureau; which supplies much of the material. Never has the Clean Up and Paint Up Campaign been of such interest and value to local communities. Never have popular women's magazines published so much painting and decorating material for their readers. Never has the public been more interested in color, as is shown by the popular response to style guides and color selectors issued by the paint companies. All of these things are indicative of a receptive mood, which without the slighest doubt can be turned into a buying mood.

Concerned with such a national campaign would be not only the manufacturers, but the distributors, the dealers, the contractors, the raw material houses, the brush makers. Development of the advertising campaign in its early stages should have the full moral support of all interested parties and financial support when a plan is finally presented.

Remember:

"United We Stand! Divided We Fall!"

"Resinall" is the correct name of the new washable intertior paint manufactured by the National Chemical & Manufacturing Company, Chicago, and not "Rezinall" as spelled in the REPORTER, July 22.

Coaltar Chemicals

Other Intermediates

—*Continued from page 29*

Nitronaphthalene.—Market continued to display firmness, while demand was fairly steady.

Ortheanisidin.—Buying only fair. Prices were in line with those in force previously.

Orthochloroanilin.—Dealings routine No change disclosed in the prices.

Orthochlorophenol.—Usual consumers made their appearance for necessary replacements.

Orthodichlorobenzene. — Quotations unchanged and firm. Trading moderate.

Orhonitroanilin.—Replacement buying held at favorable levels. Prices rule unchanged.

Orthonitrotoluene. — Market remained firm. Trading steady from regular channels.

Orthotoluidin. — Prices without change and firm. Buying steady.

Parachlorophenol.—Activity only fair in this direction. Prices unaltered.

Paranisidin.—Dealings routine. No change occurred in the prices.

Paranitroanilin.—Interest moderate. Pricewise no change occurred.

Paranitrophenol.—Demand lacked much expansion, but market held its steady to firm position.

Paratoluidin.—Prices remained firm and unchanged. Moderate demand.

Phthalic Anhydride. — Shipments moved at a steady pace, and market position was satisfactory. Prices without change.

R. Salt.—Little change developed in the character of trading. Prices unchanged.

Thiocarbanilide.—Moderate interest from usual channels. Prices the same.

Xylidin.—A steady to firm price tone continued to prevail. Business moderate.

Coaltar Colors

Activity in the market for most coaltar colors continued only moderate last week. Some spottiness was still evident, this could be traced principally to seasonal developments in certain divisions of the textile industry. Aside from this, other consuming channels offered a steady interest, but orders were usually placed for nearby needs. Export inquiries continued satisfactory in certain directions, but lacked any broadening. The market displayed no price fluctuations, and a steady to firm tone predominated.

The Brazilian textile industry uses a relatively high proportion of good quality fast dyes, owing to the strong tropical sun and other climatic factors. Imports of coaltar dyes in the 9 month perod of 1939 totaled about 600 metric tons, as compared with 700 tons during the year 1938. As of September 30, 1939, the branch office of a large German firm was estimated to have anilin dye stocks on hand sufficient for at least one year's supply, according to the American commercial attache at Rio de Janeiro.

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● CRUDE, SEMI-REFINED AND FULLY REFINED GRADES AVAILABLE IN VARIOUS ACID NUMBER RANGES
SOCONY-VACUUM OIL COMPANY, INC. 26 Broadway, New York
GENERAL PETROLEUM CORPORATION 108 W. 2nd St., Los Angeles, Calif.

RED YELLOW IRON OXIDES BROWN BLACK
C. J. OSBORN CO., 132 Nassau Street, NEW YORK
Established 1889

Oils, Fats, and Waxes

Sales of Tallow at a Further Decline—Greases Easier—Narrow Changes in Refined Cottonseed Oil Futures—Chinawood Continues Firm — Trade Generally Quiet

Quiet conditions continued to prevail in the market for vegetable, animal and fish oils, fats and greases last week. In some quarters a slightly better inquiry was noted for certain imported vegetable oils, but as a rule the buying of these as well as other products was limited to small lots for prompt shipment, few consumers being disposed to depart from a cautions policy in making purchases, especially as the trend of the markets for cottonseed oil and lard futures was toward a somewhat lower level at times. There were fewer changes in quotations on miscellaneous oils, such as were recorded being downward, however, although offerings, during the week were in all instances small, both on spot and for future delivery.

Price Changes

Advanced

None

Reduced

Carnauba wax, No. 1 yellow, 2c. per lb.
No. 2 yellow, 2c. per lb.
No. 3 chalky, 1c. per lb.
No. 3, chalky, 1c. per lb. refined, 2c. per lb.
Castor oil fatty acid, 1c. per lb.
Grease, ½c. per lb.
Lard, Western, 15c. to 25c. per 100 lbs.
Lauric acid, tech., ½c. per lb.
Stearin, ½c. per lb.
Tallow, ½c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
100.3	**100.4**	**101.8**	**98.8**

Market news that may have developed after this report was sent to press will be found on page 4.

Chinawood Oil

A firm tone continued to feature the local chinawood oil situation last week, although there was little to record in the way of activity. No material change was reported in the situation abroad where shippers were apparently not in a position to increase offerings. Supplies of spot oil in the hands of importers here seemed to have been closely cleaned up in many cases, some sellers being out of the market for the time being at least. Quotations remained at the recently advanced level, 24½c. per pound being the prevailing tankcar basis. The arrival was reported at Los Angeles of 15,000 pounds from Manila. Arrivals at New York were 325 tons, 1,440 long tons and 213 drums.

SAN FRANCISCO, July 24.—Chinawood oil stronger. Spot and nearby shipment postions engaged. Sales reported at 24½c. per pound in tankcars, f.o.b. San Francisco. Naval bid reported awarded at 24.42c.

Vegetable Oils

Castor, Dehydrated.—Prices steady at reduction previously noted. Contract movement fairly active. New business quieter.

Coconut.—Crude fairly steady at 2⅞c. per pound in tankcars. Few inquiries reported. Refined unchanged. Trade quiet.

Corn.—Crude and refined prices underwent little change. Trade quiet. Offerings light.

Cottonseed.—Edible oil prices unchanged. Tone steady. Fair movement of moderate quantities.

Oiticica.—Offerings light on spot and for arrival. Tone steady. Fair inquiry.

Olive.—Better inquiry reported for denatured oil and foots. Offerings light. Prices nominal.

Peanut.—Crude offerings light. Tone steady. Fair inquiry for refined.

Perilla.—Quiet and steady. The 1939 perilla seed crop in Manchuria reported turning out much smaller than earlier official estimate.

Rapeseed.—Supplies light on spot. Market steady. Few inquiries reported.

Soybean.—Quotations generally held at previous levels. Trade somewhat better. Manchurian soybean exports first eight months of 1939-40 marketing season approximately 24,000,000 bushels against 59,000,000 last season.

Markets at Other Centers

Chicago, July 26.—Little change has developed in prices of most grades of vegetable oils. Movement of these oils is fair.

COCONUT.—Crude, Pacific Coast, July-forward, 2⅜c. to 2½c. per pound.

CORN.—Crude, low acid, 5½c. to 5⅝c. per pound. Refined, edible oil, 8¼c. to 8¾c. per pound, drums, car lots; and 8¾c. to 9c., drums, less than car lots.

SOYBEAN.—Crude, 4⅝c. to 4¾c. per pound.

The market for soybeans on the Chicago Board of Trade was quiet. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing July 26.	Closing July 19.
Cash. No. 2.	86¼	86	...	...
October	74¾	73½	75½	74¼

San Francisco, July 26.—Vegetable oil demand conservative and spotty.

COCONUT.—Weak. Quoted today at 2½c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills, with buyers bidding 2⅜c. Business slow. Copra 1.45c. to 1.50c.

COTTONSEED.—Domestic bleachable quoted 6½c. per pound in tankcars, f.o.b. northern California mills.

PERILLA.—Quoted at 16½c. pound, duty paid in tankcars, f.o.b. San Francisco. Direct shipments from Manchuria are available.

RAPESEED.—Argentina offerings have been in the market and sales have been effected at 8¾c. per pound in tankcars, f.o.b. San Francisco. No Japanese offerings available at present.

WALNUT.—Crude California oil quoted nominally at 7¼c. per pound in tankcars, f.o.b. Pacific Coast.

Linseed Oil

Changes in flaxseed prices moderate. Local oil prices slightly higher. Cake and meal steady.

Flaxseed—DULUTH, July 26.—Heat and drouth losses have steadied flax prices but the demand continues. Flax on track is held at 8c. over Minneapolis September; to arrive, five-day shipment, 8c. over Minneapolis September; and to arrive, August-September, 2c. over.

The week's closing price range was as follows:—

	Cash.	July.	Sept.
Saturday	$1.62½	$1.56	$1.56
Monday	1.63½	1.56¾	1.56¼
Tuesday	1.61	1.54	1.54
Wednesday	1.61¾	...	1.55½
Thursday	1.57	...	1.54
Friday	1.56½	...	1.54½

Crop movement in bushels follows:—

	Receipts 1940.	Receipts 1939.	Shipments 1940.	Shipments 1939.
This week	6,030	.....	.....	20,958
Since Aug. 1..	4,325,155	1,687,323	4,568,310	1,652,884

MINNEAPOLIS, July 26.—Cash flax receipts remain very limited and offers are in very good demand. Diversion point buyers advanced their bids a cent to get some seed to move to the head of the lakes to fill out cargo space. Not much stuff moving anywhere, although favorable progress of the new crop and prospects of liberal production this season caused some of the farmers to liquidate their old crop holdings.

The first car of new flax to come to Minneapolis from the 1940 crop arrived today from Burlingame, Kan. This flax tested 53 pounds to the bushel and was small berried. Although the weight was good crushers figured that oil yield would be moderate. Last year the first car arrived from South Dakota July 28.

There were further reports of cutting in Iowa and such reports are expected from Southern Minnesota any day. Hot forcing weather is ripening the crop fast and in the northern area is causing some damage.

The week's closing price range was as follows:—

	Cash.	July.	Sept.
Saturday	$1.60	$1.55	$1.55
Monday	1.60¼	1.55¼	1.54¼
Tuesday	1.58	1.53	1.53
Wednesday	1.58¾	1.53¾	1.54½
Thursday	1.56	...	1.53
Friday	1.55½	...	1.52½

Crop movement in bushels follows:—

	Receipts 1940.	Receipts 1939.	Shipments 1940.	Shipments 1939.
This week	12,600	16,800	8,400	.....
Since Sept. 1..	4,611,200	1,804,541	2,294,300	690,900

WINNIPEG, July 26.—The week's closing flaxseed price range was as follows:—

	Cash.	July.	Sept.
Saturday	$1.28	$1.28	$1.31
Monday	1.28	1.28	1.32
Tuesday	1.29¾	1.29¾	1.33
Wednesday	1.32¾	1.32¾	1.34¼
Thursday	1.32⅞	1.32⅞	1.34
Friday	1.35	1.35	1.34½

BUENOS AIRES, July 26.—Opening prices per bushel on August contracts were:—

	Last week.	Last Year.
Saturday	$1.16⅝	$1.09½
Monday	1.16⅝	1.09½
Tuesday	1.16⅝	1.09½
Wednesday	1.16⅝	1.08⅝
Thursday	1.16⅝	1.09⅝
Friday	1.16⅝	1.12⅝

Exports

To—	Bushels Last week.	Previous week.	Last year.
United States...	.....	.....	256,000
United Kingdom	.....	.....	4,000
Continent	4,000	.....	587,000
Orders	.....	.....	79,000
Others	24,000	20,000	16,000
Totals	28,000	20,000	942,000

Since January 1

To—	Bushels This year.	Last year.
United States.....	8,668,000	10,279,000
United Kingdom.....	5,837,000	548,000
Continent	11,856,000	16,778,000
Orders	606,000	6,948,000
Others	625,000	2,080,000
Totals	27,592,000	36,633,000

Visible Supply

	Bushels.
Last week.....	5,118,000
Previous week.....	5,118,000
Last year.....	4,921,000

HULL, July 26.—La Plata flaxseed quoted at £15 per long ton; Bombay, £17⅜.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

STEARIC ACID
Single Pressed and Double Pressed
Available in either cake or flake form
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)

RUBY OLEINE BRAND (*distilled*)
STAR BRAND (*saponified*)
CANARY BRAND
(*very pale yellow, especially suitable for best types of dry cleaners' soaps.*)
PROCTER & GAMBLE
MAIN OFFICES
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220 East 42nd St., New York City
Branches and stocks in all large cities

Stearic Acid Oleic Acid Fatty Acids
(RED OIL)
A. GROSS & CO., 122 East 42nd Street, New York
ESTABLISHED 1837 FACTORY, NEWARK, N. J.

CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
Woolworth Building
SPOT New York, N. Y. FUTURE

Prompt Delivery — Drums, Barrels Or Tank Cars
TALLOW
LARD OIL
NEATSFOOT OIL
ANIMAL STEARINE
ACIDLESS TALLOW OIL
INDEPENDENT MFG. CO.
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W. C. HARDESTY CO., Inc.
41 East 42nd Street New York
RED OIL STEARIC ACID
Saponified - Distilled
HYDROGENATED FATTY ACIDS (HYDREX)
Cottonseed Oil Fatty Acids Coconut Oil Fatty Acids
Palm Oil Fatty Acids Corn Oil Fatty Acids
Lauric Acid Specialty Fatty Acids
Glycerine - Pitch - White Oleine
FACTORIES: Dover, Ohio - Los Angeles, Calif. - Toronto, Canada
CALIFORNIA OFFICE: 5636 East 61st Street, Los Angeles
Cable Address "EPILOGUE"

Linseed Oil.—A change in the differential between this city and Northwestern and Western markets for linseed oil, established the local tankcar quotations at a minimum of 8.5c. per pound. This revision of the differential was due to a change from Argentina to domestic seed prices as a basis for linseed oil quotations, the action of crushers being attributed to the pegging of the Argentina flaxseed quotations at a higher figure than domestic seed after allowing for import duty and freight charges. With the outlook for a heavy crop of flaxseed in this country and the prospect that new crop supplies will be availble in the near future, crushers will be in a position to discontinue importations of Argentina seed, it is stated, until after the turn of the calendar year. Meantime, production of oil at some points continues to diminish owing to the shrinkage in supplies of old crop seed, but it is expected that the output of oil in Western and Northwestern centers will begin to expand as soon as new crop seed begins to move freely. It is believed by some that the outlook is for an unusually large crush at these points during the remainder of the year. Last week the local market for linseed oil was more active.

MINNEAPOLIS, July 26.—There is some business in old crop oil for shipment up to the end of September and owing to the sharp reduction in stocks on hand and the small reserve of flaxseed crushers are conservative in their selling as the buyers were in their buying. Stocks on hand are dwindling more rapidly because fewer presses are operating and output in small, perhaps 25 percent of capacity.

Quotations on carload lots, f.o.b. Minneapolis, tankcars, 8.4c. per pound; cooperage, cars, 9c. per pound; warehouse lots, 9.4c. per pound.

Shipments of oil in pounds were as follows:—

	1940.	1939.
This week.....	3,350,000	1,500,000
Since Sept. 1.....	136,770,000	70,167,332

SAN FRANCISCO, July 24.—Linseed oil dropped three points, although conditions look fairly steady today. New business light. Deliveries on contracts very good. Tankcars, 8.2c. per pound; drum car lots, ex-mill, 8.6c.; drum lots, ex-warehouse, 9.2c.

LONDON, July 26.—Linseed oil, 44s. per cwt.

Cake and Meal.—A steady tone prevailed. Some improvement was noted in the request for meal. Cake quiet.

MINNEAPOLIS, July 26.—Meal market is holding up surprisingly well considering the competition of soybean meal and talk of an immense soybean crop. Very little linseed meal is being turned out currently and apparently all of the output is wanted for nearby shipment. Quotations on carload lots, f.o.b. Minneapolis, 100-pound sacks, $24.50 at $25 per ton.

Shipments of meal in pounds were as follows:—

	1940.	1939.
This week.....	4,440,000	1,540,000
Since Sept. 1.....	172,570,000	91,480,650

Cottonseed Oil

Refined cottonseed oil futures continued to move within narrow limits. Southern markets for cottonseed products generally quiet.

Cottonseed Oil.—Trading in refined oil futures in the local market continued on a small scale last week, the attitude of many operators still being a waiting one. The undertone appeared to be somewhat easier, and at times the trend of prices was downward. Changes were within narrow limits, however, as offerings of contracts were limited much of the time. There was scattered liquidation for account of tired local and other longs. An easier tone in the Chicago markets for hogs and lard also caused a certain amount of selling. On the other hand trade interests bought on soft spots.

Southern markets for crude oil were still generally nominal in the absence of any increase in offerings. Coconut oil was a shade easier. Sales of tallow were reported at a further decline. Trade in lard compound and cash refined cottonseed oil was reported as quiet. A fair domestic demand was noted for lard but the export movement of that commodity remained slow. Receipts of hogs in the principal Western centers for four days of the week aggregated 236,700 head against 227,200 head for the same time in the previous week and 181,500 head last year. The weight of the hogs received in Chicago during the week ended July 20 averaged 235 pounds, the same as in the previous week.

Reports concerning the progress of the cotton crop were more favorable, temperatures being higher with less precipitation.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from July 22 to July 26, inclusive, consisted of 307 contracts, a total of 18,420,000 pounds. Following is a price record for the week:—

	—Cents per pound in tanks— High.	Low.	Close.
January	6.16	6.00	6.02@6.04
March	6.03	6.07	6.12 sale
September	6.12	5.95	5.93@5.95
October	6.12	5.97	5.98 sale
December	6.16	5.97	6.01@6.02

Crude, Southeast, .05¼c. Nom.

Chicago, July 26.—Cottonseed oil seems to have established itself fairly well around current levels. Inquiry is fair. Refined, edible oil is 8½c. to 9c. per pound, drums, car lots; and 9c. to 9½c., drums, less than car lots.

Hull, July 26.—Cottonseed oil, refined, 35s. 7½d. per 12 pounds; crude, Egyptian, 31s. 1½d.

Cake and Meal.—Southern markets generally reported as quiet with offerings light and tone steady or firm.

Markets at Other Centers

Atlanta, July 24.—Eight percent cottonseed meal, $28 to $28.50 per ton, spot. Excessive rains are reported to have damaged the cotton crop. High temperatures prevailed this week.

Memphis, July 26.—Business in crude cottonseed oil practically at a standstill. Bids 5c. for old or new crop. Meal $28.50 per ton, Memphis basis, 41 percent. Valley cake $26 per ton. Stocks about exhausted. Cotton crop showing improvement under better weather. Now hot and clear. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	July 18.	July 25.
September	$21.45@21.75	$22.75@23.10
October	20.25@20.35	21.25@21.40
December	20.25@.....	21.10@21.20

Fatty Acids

Capric Acid.—Fair movement of moderate lots to local and other consumers. Quotations reduced ¼c.

Castor Oil.—This fatty acid easier with basic material. Quotations lowered 1c. Business fairly active.

Cottonseed Oil.—Trade quieter. Buyers awaiting developments in raw material. Market steady.

Lauric Acid.—Quotations ranged from 12½c. per pound upward. Fair request.

Myristic Acid.—Prices maintained at former levels. Tone steady. Demand quiet.

Red Oil.—Fair movement on contracts. New business quiet.

Stearic Acid.—Consumers disinclined to purchase ahead. Fair request for moderate lots for prompt shipment.

Chicago—July 26

Trade in fatty acids is reported fairly steady.

RED OIL.—Distilled or saponified, 6¾c. to 7¾c. per pound.

STEARIC ACID.—Distilled, single press, 9½c. to 10½c. per pound; double press, 9¾c. to 10¾c.; triple press, 12½c. to 13½c.

OTHER FATTY ACIDS.—Corn oil, double distilled, 8½c. to 9c. per pound, tankcar; 9c. to 9½c., drums, car lots; 9½c. to 10c., drums, less than car lots; coconut oil, acidulated, 9½c. to 10c. per pound, tankcar, mostly nominal; 10c. to 10½c., drums, car lots; 10½c. to 11c., drums, less than car lots; cottonseed oil, double distilled, 8c. to 8½c. per pound, tankcar; 8½c. to 9c., drums, car lots; 9c. to 9½c., drums, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 2¾c. to 3c.; boiled down soap stock, 65 percent basis, 3¾c. to 4c.; cottonseed foots, 50 percent basis, 1½c. to 1¾c.

Fish Oils

Menhaden.—Refined oil quotations unchanged. Market tone steady. Fair movement of moderate quantities of spot oil.

Sardine.—Consumers of refined oil purchasing for current needs only. Market steady.

Sperm.—Quotations maintained at former levels. Fair request for moderate lots.

Whale.—Refined oil prices were unchanged. Market steady. Trade somewhat better.

Markets at Other Centers

Baltimore, July 24.—New-crop crude menhaden oil reported to have been offered down the Chesapeake Bay at 28c. per gallon. No transactions thus far. For the first time this season fishing results in Maryland and Virginia waters have shown improvement. Oil production for the season has been hardly large enough to fill the orders booked.

San Francisco, July 26.—Settlement of the Alaska herring fish tonnage price, with the prospects that production will start at once, was the feature of the week in fish oil circles on the Pacific Coast. Manufacture of Alaska herring oil has been delayed from a month to six weeks beyond normal opening dates, it was pointed out, and it was generally regarded that half of the potential crop of some 600 tankcars was lost as a result. The settlement came as a result of the fishermen finally agreeing to accept the same rate of pay as they received last season.

Negotiations are still in progress between producers and fishermen concerning the Washington-Oregon production, which is being delayed. One step taken was the willingness of the fishermen to make a concession below their original demands and it was felt that an agreement might be in sight soon.

No new sales were reported last week on futures. The market is a strictly nominal affair. Spot old crop California oil was reported to have sold in a small way at 37c. per gallon in tankcars.

Fats and Greases

Grease.—Easier with outside markets. Quotations shaded ⅛c. Offerings light. Trade quiet.

CHICAGO, July 26.—Choice white grease, 3⅝c. to 3¾c. per pound, tierces; yellow, 3¼c. to 3½c.

Lard.—Fair domestic movement of moderate lots. Export trade quiet. Price changes narrow.

CHICAGO, July 26.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	—Closing— July 26.	July 19.
Cash	$5.70	$5.55	$5.57	$5.72
July	5.65	5.50	5.55	5.67
October	5.87	5.70	5.72	5.90

Stearin.—Trade quiet. Tone easy. Quotations shaded ⅛c. Offerings light.

CHICAGO, July 26.—Prime oleo stearin, barrels, 5c. to 5¼c.; lard stearin, 5½c. to 6c.

Tallow.—Offerings somewhat freer. Tone easier. Sales of extra at 3⅞c., delivered, a decline of ⅛c.

CHICAGO, July 26.—Edible tallow, tierces, 4c. to 4¼c. per pound; inedible, prime, 3⅞c. to 4⅛c.; special, 3⅝c. to 3¾c.

There was no trading in tallow futures on the New York Produce Exchange from July 22 to July 26, inclusive. Following is a price record for the week:—

	—Cents per pound in tanks— High.	Low.	Close.
October	...	...	4.00 nom.
December	...	...	4.00 nom.

Soybean Crushings Up

Sixty-four mills in the United States report a crush of 387,516 tons of soybeans and a production of 121,873,616 pounds of oil for the quarter ending June 30, 1940, according to the Bureau of Census. These figures compare with 332,485 tons of beans crushed and 104,911,768 pounds of oil produced for the corresponding quarter in 1939; 207,753 tons of beans and 63,837,531 pounds of oil in 1938; and 130,546 tons of beans and 38,788,741 pounds of oil in 1937.

Stocks of soybeans reported by the crushers on June 30, 1940, were 231,635 tons, compared with 183,948 tons in 1939, 124,782 tons in 1938, and 64,619 tons in 1937. Stocks of soybean oil reported by the crushers were 14,304,562 pounds on June 30, 1940, compared with 24,624,816 pounds for the same date in 1939, 35,035,799 pounds in 1938, and 9,149,949 pounds in 1937.

Cotton Gin Employees Not Subject to Security Act

OPD Washington Bureau
July 22, 1940

All employees whose services are concerned with the ginning of cotton, including gin managers, are classed as agricultural laborers under the social security act, the Internal Revenue Bureau has announced. However, clerical employees in the ginning business do not come under the agricultural labor provisions. Because of this classification, cotton gin employees are not subject to the old age pension or unemployment insurance provisions of the social security act, since agricultural laborers are excluded. Clerical employees are subject to the act.

Where employees spend over one-half their time in duties classed as "agricultural labor," the bureau held that all their services should be classed as such, no matter what they do during the rest of the time.

Animal Oils

Lard.—Quotations stationary. Tone steady. Fair inquiry for small lots on spot.

CHICAGO, July 26.—No. 1 lard oil, 8c. to 8¼c. per pound.

Neatsfoot.—Purchasing generally limited to small or moderate lots. Market steady.

Oleo.—Somewhat better request for moderate lots for prompt shipment. Prices steady.

CHICAGO, July 26.—Extra oleo oil, 7c. to 7¼c. per pound.

Tallow.—Quoted at 6⅞c. per pound in tankcars. Trade quiet.

CHICAGO, July 26.—Acidless tallow oil, 8c. to 8¼c. per pound.

Waxes

Bees.—Crude firmer. Cables reveal stiffening of primary market views. Local quotations steadier. Refined yellow and bleached waxes steady and in far request.

Candelilla.—Steady and well controlled at source. Quiet on spot. Prices maintained here.

Carnauba.—Market still favors buyers. Little demand. Price shading common. True market difficult to find without firm order in hand. Quotations suggested as follows, though not met openly by all: No. 3 chalky, ton lots, 47c. to 48c. per pound; No. 3 North Country, ton lots, 48c. to 49c.; No. 1 yellow, 60c. to 61c.; No. 2 yellow, 59c. to 60c, refined, 53c. to 54c.

F. L. Newcomb, of Standard Oil Development Company, this city, has been elected chairman of the American Petroleum Institute's committee of refinery inspection supervisors.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

TALL OIL
a high saponifiable, low-priced product
CRUDE AND DISTILLED
C/L and L/C/L deliveries
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117 LIBERTY STREET, NEW YORK
Specialists since 1920

THE BRODE CORPORATION
MEMPHIS, TENNESSEE
Domestic and Export
PRODUCTS OF COTTONSEED, PEANUTS and SOY BEANS
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New York Produce Exchange (Futures in Cottonseed Oil)
District Representatives
JAMES LOVATELLI & CO., 2 Broadway, New York City
Codes: Yoppa, Robinsons, Bentleys, A. B. C., 5th Edition, Peerless

E. A. BROMUND COMPANY
—o—
Diamond Brand
Yellow Beeswax
Refined
—o—
258 BROADWAY, NEW YORK CITY
BArclay 7-8445 Est. 1880

Trigg on Defense and Paint Industry

—Continued from page 21

Drying Oils

Our most serious problem from a raw material standpoint has been and continues to be drying oils. As you know, the war in China has seriously interrupted the receipt of tung oil from that source notwithstanding the fact that it is reliably reported that there are large quantities of it available over there. The problem is one of transportation. The closing of the Indo-China ports about a month ago stopped the flow of oil through those outlets, leaving practically only the Burma route which, as you know, by agreement between Great Britain and Japan, was closed last week for a three-month period. It, therefore, seems unlikely that there will be anything more than infinitesimal quantities, if that, coming from China to the United States for a period of time, how long no one can say.

We are informed that the importers have little or no tung oil on hand other than that which they are now obtaining from the Universal Trading Corporation. I feel that it is fitting that we should recognize the valuable services which the importers and distributors have rendered the industry during this last period of shortage or threatened shortage and of high prices. Your association has kept constantly in touch with the situation and with the factors involved and recognize and acknowledge the extent of and type of service which they have given to the industry during this difficult period.

It is fitting, too, that we recognize and express our appreciation to the Universal Trading Corporation for its service to our industry. It has been and is their announced intention to function as a stabilizing influence in the tung oil situation in this country. It is their aim and declared intention to supply tung oil through distributors during periods when oil cannot otherwise be obtained and when, as has happened over the last several months, importers are able to bring in oil on their own acount, the Universal Trading Corporation will to all intents and purposes retire from the market, leaving it open to the distributors while Universal will accumulate additional reserve stocks against a possible future shortage. This is the policy they followed during recent months and now in view of the difficulty, or practical impossibility, of getting in free oil, they have come back into the market again with a basic tankcar price, f.o.b. New York for distributors of 24 cents a pound, which is 1 cent under the price in effect when they recently discontinued selling. We are informed by the Universal Trading Corporation that they have reserve stocks sufficient to take care of the requirements of our industry for another six months based upon the rate of consumption for the first quarter of this year. It is possible that inside of six months the transportation situation in China may be corrected so that exportations of tung oil will be resumed.

While it is, of course, recognized that even existing prices for tung oil make its use prohibitive for some purposes, the industry is fortunate in having the Universal Trading Corporation with its reserve stocks available to take care of our needs where it is felt that product must be used and at price levels which avoid the violent fluctuations of a speculative market during the period immediately ahead of us.

During this most uncertain and anxious period with regard to tung oil, the members of the industry have turned their attention to the use of other drying oils which have been made available. There are no reliable figures available as to the extent to which these other materials have taken the place of tung oil in our production. It is, however, a conservative statement, I believe, to say that the displacement amounts to at least 50 percent. I have been told by representative manufacturers doing a substantial volume of business that they have reduced their consumption 60 percent or even more. One manufacturer has made the statement that he has reduced his consumption 85 percent. Furthermore, from the best information we can obtain the use of other drying oils is continuing to increase as manufacturers find a proper and satisfactory way in which to employ them. One evidence of the situation which is statistically available is the fact that the consumption of tung oil in this country, as reported by the Department of Commerce for the first three months of this year, is less than it has been in any three-month period back to 1923.

Manufacturers are coming to realize more and more that the use of substitute drying oils is not primarily from the standpoint of price or cost, but rather to insure adequate supplies of these important products now and for the future. Our industry for the long pull ahead will be much better protected if there is available more than one principal source of supply. But manufacturers must continue to take the time and trouble to work with the available substitutes and find out for themselves the extent to which they can be employed in their various productions, perhaps in some instances entirely displacing tung oil and in other instances in combination with a reduced percentage thereof. So many manufactures are successfully doing this today that there is no longer any question as to the possibilities, always however under the individual control and adjustment of each manufacturer for himself dependent upon the material he is making and the market he serves. We have been reliably informed by some manufacturers that they are able not only to duplicate in quality and service products of the past by using one or more of the available substitutes, but that in some instances they have made superior products.

Effect on Product Cost

It is possible that some manufacturers have thought too much of substitute drying oils in terms of price and savings in the cost of the finshed product. We have given some considerable attention to that subject and it is evident from the information we have that the cost factor is not as important in the final analysis as might seem to be the case. The experience generally is that when substitute drying oils are employed, there must be other adjustments in the formula and that in the making of these other adjustments some considerable part of the original apparent saving is consumed. The result is that the difference in cost on the final finished product as between using an old-type tung oil formula and an adjusted formula employing such proportions of substitute drying oils as the circumstances permit may run as high as 8 cents or 9 cents a gallon, but in some instances it will amount to only 1 cent to 2 cents per gallon. This information is based upon carefully worked out formulations on products actually being sold at the present time and can be verified by any individual manufacturer from his own records.

To illustrate more specifically, we have computed in the scientific section the cost of a modified phenolic resin type of varnish using nine parts of tung oil and one of linseed oil as against the same type of varnish using one part of tung and three parts of dehydrated castor, produces a diference in cost of 8 cents per gallon based on market prices as quoted in the OIL, PAINT AND DRUG REPORTER. In another varnish in actual production there is a difference in cost of 1 cent per gallon, another 5 cents, and another 6 cents. In the enamel field, we find the difference depending, of course, on the type of materials runs as low as 3 cents per gallon.

We are bringing this point out to call your attention to the fact that, notwithstanding the use of substitute drying oils, there is not as great a saving in the cost of the finished product under existing conditions as might at first seem apparent. This is a factor which we believe may in some cases have been overlooked resulting in the continuance of selling prices on a basis which does not return a fair margin of profit. In this connection, we must not overlook the fact that our customers and particularly the larger buyers who have the facilities and make it their business to keep in close touch with market conditions, may feel justified in criticizing the price policies of their sellers on the ground that either their prices in the past have been too high or that they have cheapened their formulation. In making this comment, I am not unmindful of the highly competitive conditions which exist in our industry with the natural desire on the part of each manufacturer to increase his own volume. We all must realize, however, that our own individual ambitions must or should be tempered by a realization that our competitors are likewise ambitious and, generally speaking, are unwilling to permit inroads into their established customers whenever it can be prevented.

Looking, therefore, in a perfectly proper selfish way to our own best interests, it can easily be understood how destructive such price policies, even though they might result in the securing of an occasional account here or there will in the long run tend to tear down the whole structure, resulting in the demoralization of prices with one's own regular and established trade. A natural collateral to such a condition is the final necessity for reducing quality, with the result that the value and benefit of the industry's service to the public through its customers is lowered to the permanent disadvantage and detriment of the industry and each member of it.

My respect for the intelligence of the members of this industry is high, and I am quite confident that the great majority of manufacturers know what their raw materials cost and they know what their various items of expense amount to. I do feel, however, that there are probably times when we feel it is necessary or advisable to close our eyes to some expense items, hoping that a low price in one place may be offset somewhere else. When that happens, one can be sure that he is going to feel the effect of the low price, but usually he never gets the benefit of the other side of it. After all, it seems to me there can be only one answer on this matter of destructive competition, namely, that it is due to "fear"—"Fear" of losing an account on the one hand or "fear" that one's price is not going to be low enough to meet what some other fellow may do. I don't believe that any business man indulges in practices which he knows in his heart and soul are not good ones for any reason other than "fear," and I expect we have all had experiences which should teach us that many times at least our fears were groundless and that in the final analysis a little more courage and determination, plus a little more respect for the value of our own products and services would have been beneficial not only to the individual manufacturer involved but in the long run and in a broad way to the industry as a whole and through it to the public.

It is not within the province of an association or of competitors between themselves to establish, agree to, or control selling prices. However, we believe it is within our province to call the individual manufacturer's attention to those things which are pertinent to his own problems, it always being the business of each manufacturer to establish his own prices and policies within the framework of the most intelligent and reliable information he can obtain.

Defense Requirements

Turning now to our national situation and calling attention again to the fact that our present conditions are so changed from those of a quarter of a century ago, we must bear in mind that the problem of defense and industry's problem in cooperation with the government is of a very different nature. Twenty-five years ago the government had the task of equipping, and industry had the task of making the materials and supplies for an army which we sent to Europe. Questions of our own national defense to protect us from outside encroachment did not enter into the picture. Today we have the job of planning and providing not only military equipment of all kinds in huge quantities (land, sea, and air), but adequate transportation facilities and adequate protection for it all.

Just as an illustration of the job ahead, let me refer to one type of thing that will happen in the construction field. I am reliably informed that surveys already completed indicate that in the eastern section of the country it will be necessary to build something over 2,000 new bridges in order to provide safe crossing for all sorts of equipment which may have to move over the roads. Furthermore, there is a vast program of widening roads (several thousand miles) along strategic lanes.

The plans are, I understand, to provide airdromes for airplane housing in cement pits underground and in excavations made in the sides of mountains, large hills, etc., to protect them from any possible bombing attack.

The program which faces us is beyond anything which has ever been contemplated here before. If there is not a radical change in the general situation from that existing today in Europe, it is possible that our national defense program may continue over the next ten or fifteen years, or even longer.

We get a better conception of the extent of what must be done perhaps by thinking of the $19,000,000,000 which it is reported have been spent by Germany in the last five years. Our information is that our government during that time has spent approximately $5,000,000,000 on all kinds of rearmament. I do not have the definite facts, but it is fair to assume that because of lower wages without a limitation on labor of forty hours a week, the German dollar may have produced twice as much as one of our dollars will, resulting in the equivalent of $38,000,000,00 spent in Germany against the $5,000,000,000 we have so far employed during this span.

As to our industry's part, we can look forward to being called upon to supply huge quantities of camouflage paints and paint for tanks and military supplies on land, sea, and in the air. There will, of course, be some substantial need for building paints of various kinds, particularly inside paints, the development of which should come in the near future. Nothing definite is available now. The materials which will be required for government purchases of tanks and other defense materials will be purchased, not by the government, but by the one who supplies such equipment and will be bought on government specifications.

I am taking advantage of this opportunity to advise the industry with regard to so-called "negotiated contracts" without the formality of bidding, about which reference is made from time to time in the newspapers. A close investigation of the procedure used at present indicates that no material changes have been made in the methods used for the purchase of the products of our industry but in order to quiet rumors to the contrary, we give you the following information from recent acts of Congress:—

588—"General Appropriations — Naval Establishment" provides an "Emergency Fund for the President," which may be used "without reference to section 3709 of the revised statutes"—that section which requires the use of competitive bidding.

611—"Making appropriations for Military Establishment" makes a like provision for the president to provide for emergencies, through appropriate agencies of the government "without reference to section 3709 of the revised statutes."

667—"Making supplemental appropriations for the national defense" enables the Secretary of the Navy "to rent and convert, or construct or acquire and convert vessels to naval auxiliaries"—"without reference to section 3709 of the revised statutes."

671—"To expedite national defense" authorizes the Secretary of the Navy to "negotiate contracts for the acquisition, construction, repair, or alteration of complete naval vessels or aircraft or any portion thereof—with or without competitive bidding upon determination that the price is fair and reasonable."

703—"To expedite the strengthening of the national defense" authorizes the Secretary of War "to provide for the necessary construction, rehabilitation, conversion, and installation — of plants, buildings, facilities, utilities, etc.—with or without advertising."

We are advised, however, by representatives of the War and Navy Departments that no purchases of materials such as the products of our industry are being made on "negotiated contracts," and that none are contemplated unless serious emergencies arise.

—Continued on page 46

...let Monsanto serve you

With thirteen American plants and ninety-nine warehouse points, Monsanto is equipped to produce chemicals economically and to deliver them promptly and safely to American industry.

At its St. Louis plant, Monsanto manufactures many products for the pharmaceutical industry, some of which are listed at right. Scrupulously maintained at the highest possible standard of quality and purity, these medicinal products have consistently met the rigid requirements of pharmaceutical manufacturers. On your next order for any of these products, let Monsanto serve you. MONSANTO CHEMICAL COMPANY, St. Louis, U. S. A. District Offices: New York, Chicago, Boston, Detroit, Charlotte, Birmingham, Los Angeles, San Francisco, Montreal, London.

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- Chloramine-T. U. S. P.
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MONSANTO CHEMICALS

SERVING INDUSTRY . . . WHICH SERVES MANKIND

Drugs, Fine Chemicals

Quicksilver Down—Mercurials Unchanged—Corn Syrup Advanced —Menthol Shaded—Heavy Mercury Production Reported in Canada But Doubted Here—Bulk Cocoa Butter Cheaper

Lower prices on spot quicksilver, menthol and cocoa butter, plus higher quotations on corn syrup constituted the leading price developments in the market for drugs and fine chemicals last week. The outstanding feature in the market was the general price stability that seemed based on excellence of consuming demand and export interest.

New production of quicksilver in the United States continued to be reported. Also, a mine in British Columbia made its first shipment, comprising 400 flasks, destination London. Local quicksilver factors felt that the quantity could not be the production of a single month, as indicated in reports concerning the shipment east by airplane. The market for mercurials held unchanged but very steady.

Alcohol, and all solvents, in fact, found a ready market at full prices and market undertones generally were very steady. Minor iodides still lacked change and market opinion favored the view that they would not follow the upward movement recently noted in the major iodides.

Bromides held steady at the lower price levels reached in the previous trading period but the market still seemed unsettled to some degree. Strychnine moved well and conventionally. Minor alkaloids were quiet, scarce in some instances, and generally firm as to price.

Price Changes

Advanced

Corn syrup, 10c. per 100 lbs.

Reduced

Cocoa butter, 2c. per lb.
Menthol, 5c. per lb.
Quicksilver, $7 per flask.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
203.3	203.7	203.4	182.7

Market news that may have developed after this report was sent to press will be found on page 4.

Acetone.—Steady. More activity in consuming industries suggests sales improvement in future.

Acid, Citric.—Severely hot weather boosts consumption. Shipments from producers rise. Market substantially more active.

Acid, Tartaric. — Active. Strong prices. High production cost unrelieved. Sellers reserved.

Alcohol.—Demand well stabilized. Consumption running to excellent gallonage. Outlook good for Fall requirements. Contracts being taken out well. Production, stocks, and similar data covering operations in fiscal year ended June 30, prepared by Alcohol Tax Unit, Treasury Department, appear elsewhere in this issue.

Ammonia Bromine.—Steady at recent decline. Demand about normal.

Ammonia, Chloride.—Quiet. Prices very steady. Call entirely routine.

Ammonia, Phosphate.—Steady absorption of normal quantities contributed to general market firmness and stability.

Amyl Alcohol.—Interest maintained at satisfactory limits. Quotations generally steady. Deliveries prompt.

Barbital.—Steady. Activity about normal. Undertones indicate well sustained market.

Bismuth Metal and Salts.—Sales volume sustained at normal levels. Deliveries prompt for almost any quantity. Future needs well protected.

Butyl Alcohol.—New business indicated gaining consumption. Improvement moderate. Market undertone very firm.

Cadmium Bromide.—Prices in line with cost of metal. Recent drop in bromine did not affect quotations.

Caffeine.—Firm prices. Demand excellent. Sales could be much larger if all orders tendered were accepted. An export market goes unsatisfied.

Calcium Bromide.—Decline not extended. Market still competitive.

Camphor.—Difficult to place new business with makers of synthetic. Production sold far ahead. Japanese gum lowered to 83c. to 84c. per pound for slabs and powder; tablets, 87c. to 88c. Competition.

Castor Oil.—No further price revision. Market still on easier side due to present low price on raw material. Demand good.

CHICAGO, July 24.—Castor oil quiet and easy at recent price recession. Prices are:—Cold pressed, U.S.P., barrels, car lots, 12⅝c. per pound; barrels, less than car lots, 13⅜c.; returnable drums, car lots, 12⅜c.; drums, less than car lots, 13⅛c.; tanks, 11⅞c.; No. 3, barrels, car lots, 12⅛c.; barrels, less than car lots, 12⅞c.; returnable drums, car lots, 11⅞c.; drums, less than car lots, 12⅝c.; tanks, 11⅜c.

Chloral Hydrate. — Complete price stability the rule. Demand routine with normal volume being maintained.

Cocoa Butter.—Sharply down. Car lots, bulk, 10.65c. to 10.75c. per pound. Due to substantial stocks being available, By-products should find ready market.

Codliver Oil.—Market around $70 per barrel for strictly U.S.P. oil. Favored buyers get some around $65. Holders of unsold stocks greatly reserved.

Collodion. — Still unchanged and highly stabilized in price. Normal demand in all respects. Ample supply.

Corn Syrup.—Rise in grain price bring 10c. advance in syrup quotations market: 42 degree, $3.42 per 100 pounds; 43 degree, $3.47.

Cream of Tartar.—Interest normally active. Prices strong. Production cost still at high levels due to raw material situation.

Formaldehyde. — Contract tenders taken promptly. Industrial need ample and accounts for excellence of movement. Prices steady.

Glycerin.—Still well stabilized in price. Still moving in good sized quantities to all varieties and kinds of consumers. Still available in quantities covering all needs.

CHICAGO, July 24.—Glycerin market quiet and steady. Prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c., drums, car lots; 13c., drums, less than car lots; high gravity, 11¾c. per pound, tanks; 12c., drums, car lots; 12½c., drums, less than car lots.

Hexamethylenetetramine. — Good market. New business active. Contracts taken out promptly. No signs of unsettlement or pending weakness.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Federal Wholesale Druggists, Sept. 8-11, Hot Springs.
National Wholesale Druggists, Sept. 30-Oct. 3, White Sulphur Springs.
DCAT outing, Oct. 18-19, Skytop.
Pest Control Association, Oct. 28-30, Indianapolis.

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Agents and Distributors for:

Solvay Sales Corporation
Alkali-Chlorine
Paradichlorobenzene

E. I. Du Pont de Nemours, Inc.
Camphor, USP, XI

Carus Chemical Co.
Benzoic Acid
Soda Benzoate

Brown Company
Chloroform

Hawaiian Pineapple Co.
Citric Acid

Zinsser & Co.
Gallic Acid
Tannic Acid

Stauffer Chemical Co.
Cream Tartar
Tartaric Acid

British Cod Liver Oil Producers
Cod Liver Oil

Heavy Chemical Division
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Largest Producers and Refiners of
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U.S.P.
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AMMONIUM CHLORIDE U. S. P.
AMMONIUM SULPHATE PURIFIED
POTASSIUM CHLORIDE N. F.
POTASSIUM SULPHATE N. F.
SODIUM CHLORIDE C. P.
SCHUYLKILL CHEMICAL COMPANY
2346-2354 Sedgley Avenue - - Philadelphia, Pa.

BROMINE (PURIFIED), SODIUM, POTASSIUM and AMMONIUM BROMIDES
ALSO ETHYL BROMIDE, ETHYLINE DIBROMIDE
BARIUM, STRONTIUM, CALCIUM, METHYL,
LITHIUM BROMIDES STRICTLY U. S. P. GRADES
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CRYSTALS
USP XI
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Iodine and Iodides.—Large list of minor iodides still unchanged. Include ammonia, barium, cadmium, copper, calcium, ethyl, iron, lead, lithium, manganese, mercury red and yellow, starch, strontium, sulphur, thymol, zinc. Also, iodoform, hydriodic acid, and tincture of iodine.

Iron Acetate.—N. F., article selling freely at full prices. Interest of buyers normal. Liquor also in fair request.

Iron Chloride.—U.S.P. qualities in full demand at normal limits. Market undertones very steady. Production meeting all needs.

Iron Phosphate.—Quieter. Demand closer to jobbing. No adverse effect on prices.

Iron-Ammonia Citrate.—Fully stable prices the rule. Demand quiet but steady at normal volume. Undertones firm.

Magnesium Hydroxide.—The medicinal item in fair demand. Interest in article increasing. Prices well maintained.

Magnesium Powder.—British government places item under stringent control. Government requirements large and are being protected by license system.

Menthol.—Japanese item down to $3.50 to $3.60 per pound in slow market. Competition keen with Chinese item.

Mannitol.—No further price change. Demand should gain because position of natural manna sold mainly for export.

Mercurials.—Steady to firm. In fair request and likely to move well in future.

Methanol. — Consumption running well ahead of last year. Synthetic and natural item in excellent call. Prices very steady.

Opium.—Reserve stocks drawn on. Near East primary market cut off by war in Mediterranean. United States had three-year reserve at beginning of war.

Phenobarbital.—Firm market. Demand steady and showing some improvement within moderate limits. Prices well maintained.

Potash Bromide.—Decline not extended. Market apparently steadier. Competition still current. Production ample.

Potash Hydroxide.—Sticks steady to firm. Prices supported by normal request. Reserves ample.

Potash Sulphate.—N.F. quality selling mainly in 100-pound kegs. Barrel price nominal. Usual run of jobbing trade reported.

Quicksilver.—Lower at $190 to $196 per flask, according to quantity. Quantity business done in spot goods at $190 last week; single flasks, $196. Demand moderate. New domestic production opening constantly. Canadian production of 400 flasks at Prince George, B. C., shipped by air to Hudson's Bay post en route for Montreal. June production alleged to have been 400 flasks. Considered doubtful figure by local factors. United States statistics for May released by Bureau of Mines, Washington, follow:—

	Flasks.
Production	3,100
Consumption	2,100
Imports (pounds)	3
Exports	2,277
Stocks, consumer	9,200
dealers	1,300

SAN FRANCISCO, July 24.—Price, October and forward, about $190 per flask. Spots sold locally at $193. Federal Government refuses export license on 400 flasks destined for Far East.

Quinine.—Very firm. Trade active along lines of season. Southern consumption excellent. Future of article closely knit with war developments.

Resorcinol.—The U.S.P. crystals in 100-pound quantities selling at $1.80 per pound, works, freight allowed east of Mississippi river.

Rochelle Salt.—New business very good. Interest normally active. Prices strong and not likely to ease. Based on very high cost raw material.

Saccharin.—Fair to medium demand sustained well. Prices well stabilized. Domestic consumers being promptly supplied.

Salicin. — Not very active except along jobbing lines. Producers report lack of unsettling competition. Prices hold.

Salol.—Conventional demand keeps volume normal. Full price maintenance.

Santonin.—Demand not exceptionally active. Small lots called for. Prices firm to strong. Little competition.

Seidlitz Mixture.—High price on raw material gives full support to quotations on this item. Excellent demand gives further support.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided:—

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	26⅞	34¾	23¼
Monday	26⅞	34¾	22⅞
Tuesday	26⅞	34¾	22⅞
Wednesday	26⅞	34¾	22⅞
Thursday	26⅞	34¾	22⅞
Friday	26⅞	34¾	22⅝

Soda, Bicarbonate.—U.S.P. in excellent request. Market of substantially firm undertones.

Soda, Bromide.—Still unsettled and competitive but lacking further change in open quotations.

Soda, Cacodylate.—Some without stocks. Others with small lots ask $6 per pound.

Soda, Citrate.—Demand sustained at satisfactory levels. Prices completely stabilized.

Soda, Hydroxide.—U.S.P. stocks firm in price. In quiet, routine request.

Soda, Iodate.—High and strong price at $5.49 per pound in small lots only.

Soda, Perborate.—Stabilized in price and demand. Consumption running to satisfactory levels compared with trade a year ago.

Tannic Acid Manufacture Contemplated in China

OPD Washington Bureau
July 24, 1940

Exporters of gallnuts in Hongkong are investigating the possibilities of extracting derivatives such as tannic acid, gallic acid and gallnut extract at the point of origin in China and shipping them to the United States via Hongkong, according to advices received by the Department of Commerce from the American consulate general in Hongkong. The transport cost of bringing the gallnuts from the interior to the coast is at present high because of the hostilities going on in China.

On the other hand, the derivatives are relatively high in value and nonbulky. The sharp increase in trans-Pacific freight charges is also a factor. Two Hongkong dealers have expressed the opinion that the savings in transport costs would more than offset the American import duty on the derivatives. However, this has not yet been demonstrated in practice. The project is still in the investigatory stage.

British Government Plans Large Munitions Plant

Niagara Falls, July 26, 1940

Construction has been started near here on a new $11,000,000 plant by the Chemical Construction Company of New York, a division of the American Cyanamid Company, for the production of high explosives for the British government, which will finance the project, General Manager George E. Cox of the North American Cyanamid, Ltd., announced. An office building and two smaller units already have been started and work on the main chemical plant will begin within the next thirty days, Mr. Cox said. It is expected the plant will be in operation within a year.

Stainless Tubing Discussed

The applications, corrosion resistance, physical properties, tolerances, weights, sizes, and diameters of the welded stainless tubing manufactured by the Carpenter Steel Company are presented in a new volume issued by that organization. One section of the work is devoted to practical hints on fabricating stainless tubing, another to design, and a third to specifications. A copy of the booklet may be secured by writing the Carpenter Steel Company, Kenilworth, N. J., mentioning the REPORTER.

"Parmone" is the trademark of a synthetic hormone spray for reducing the premature drop of apples. Each of the solutions, manufactured by the Grasselli chemicals department of E. I. duPont de Nemours & Co., Milmington, contains four grams of naphthalene acetic acid.

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MERCURY in 3 NEW PACKAGES

1

2

3

The RIGHT SIZE for Every NEED . . .

● In redesigning the three packages in greatest demand, we have made certain that redistilled mercury, shipped from our plant, reaches you ready for use, in perfect condition. The containers are intended primarily to fill certain demands for specific uses.

● Our facilities for service, speed and quality have also been modernized and streamlined to cope with present day, abnormal requirements.

● Regardless of the quantity you need or time limit set, we solicit your inquiries. You get what you want, when and how you want it. Remember, if it's made of Mercury "Ask Berk."

1 The 76-lb. steel flask container illustrated at the left, is entirely new in design. The conventional type plug at the top has been eliminated, and the new type threaded cap replaces it. No dirt can fall into the flask while the steel bottle is being opened. A special resin preparation is baked on the inside of the flask to form a coating that prevents rust. These steel flasks are returnable for credit after the mercury has been emptied.

2 The 10-lb. bottle is in great demand by most industrial houses. In this newly designed container, there are no corks to pull, no particles to fall in when the corkscrew is applied. A bakelite screw-cap and special gasket are used to keep the bottle air-tight and the contents clean.

3 This popular bottle has a drip-type lip. It has corrugated, ribbed sides for non-skid gripping . . . and is most popular where small quantities are required.

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

A.Ph.A. Council Offers Grants for Research

The American Pharmaceutical Association has available certain limited funds for research grants. These grants are to be made by the council of the association on the recommendations of the committee on pharmaceutical research. They will be made on the following bases:—

(a) The extent which the award will serve to promote pharmaceutical research;

(b) Whether the award supplements the A.Ph.A. laboratory program;

(c) The qualifications of those who will perform the work for which the award is made and the facilities of the laboratory where the research will be conducted;

(d) Preference will be given to applications wherein the award will supplement a contribution from the institution or laboratory in which the research will be conducted.

Those desiring to be considered for A.Ph.A. research awards should make application promptly to the chairman of the committee on pharmaceutical research, Francis E. Bibbins, 150 West Sixty-fourth street, R.R. 16, box 728-B, Indianapolis. Applications should include all details, particularly with respect to the above-listed bases, which will enable the committee properly to evaluate the projects submitted by the applicant.

Chrome ore producers in Turkey are being aided by the government through the setting up of a fund of 300,000 Turkish pounds for use in handling exports.

Delaney Leads N.Y. BIMS

Robert Delaney, of the Vadsco Sales Corporation, won first prize at the golf tournament of the BIMS of New York, at the Plandome Golf Club, L. I., July 18. Joseph Huisking, of Fritzsche Brothers, Inc., placed second, and Edward Kessling, of E. Kessling Thermometers, was third. Other prize winners were:—

John S. Baker, of the National Can Company; Russell Boland, of *Drug Trade News;* I. H. Bander, of McKesson & Robbins, Inc.; George Halloway, of Pond's Extract Company; Frank Mahr, of the Blake Manufacturing Company; Charles C. Bryan, of Fritzsche Brothers, Inc.; Horton Spitzer, of the Plaskon Company; A. H. Bergmann, of the Oxzyn Company; Peter L. Forsman, of C. H. Forsman & Co.; David P. Bach, of Weco Products Company; C. R. Keeley, of *Toilet Requisites;* F. J. Lueders, of George Lueders & Co.; S. E. Umensetter, of Topics Publishing Company; E. F. Neimeth, of the National Magnesia Company; G. S. Furman, of Merck & Co., and W. L. Fretz, of the Dodge & Olcott Company.

Dow Chemical Company's New York office held its annual golf outing at the Garden City Country Club. L. I., July 3. Russell Spiker, Fred Koch and C. Oscar Lind, were prize winners.

Ethyl Alcohol Output In 1940 Fiscal Year

Statistics comparing production, withdrawals, and stocks of pure and denatured ethylalcohol in the fiscal years ended June 30, 1940, and 1939, as prepared by the Alcohol Tax Unit, Bureau of Internal Revenue, Treasury Department, Washington, D. C., are as follows:—

Ethyl Alcohol

	Proof gallons— 1940-39.	1939-38.
Production	243,727,751	201,017,546
Withdrawn, tax paid.	24,344,306	22,150,989
tax free	227,485,427	179,580,529
Stocks, June 30	21,798,542	30,860,351

Denatured Alcohol

	Wine gallons— 1940-39.	1939-38.
Completely		
Produced	15,352,034	17,179,433
Removed	15,495,289	17,204,615
Stocks, June 30	498,981	655,996
Specially		
Produced	111,409,624	83,561,077
Removed	111,509,322	82,668,014
Stocks, June 30	1,163,487	1,325,563

Bonded Dealers

Specially denatured—	Wine gallons— 1940-39.	1939-38.
Received from denaturing plants	3,439,980	3,243,249
Disposed to bonded manufacturers	3,433,851	3,143,007
Inter - dealer shipments	31,600	38,933
Stocks, June 30	382,411	378,009

John Schrieffer has been named director of sales for V. Vivaudou, Inc., cosmetics, this city.

REFINED GLYCERINE

ALL GRADES
CHEMICALLY PURE—U. S. P.
CHEMICALLY PURE—B. P.
YELLOW DISTILLED
HIGH GRAVITY
DYNAMITE

Refineries Located at:

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- Kansas City, Kans.

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We have saved money for others— we can do the same for you . .

We have saved manufacturers from the purchase of expensive equipment; we have reduced shipping costs. May we talk over your *present* production problems? Strictest confidence is absolutely guaranteed. Whatever type of product you make, we have facilities to reduce your costs. Shall we talk over your problems?

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Botanical Drugs, Spices, and Gums

European Botanicals May Reach Here—Rail Route From Central Europe Across France and Spain to Portugal Laid Out — By Sea From Lisbon

Pricewise, developments in the botanical drug market were productive of sensational advances in quotations on alkanet and cut althea roots, and indicative of weakness in goldenseal and senega roots. These were the featured movements of values. There were also a fair number of changes that were usually fractional in extent and, from the standpoint of drug buyers, not of special importance. An exception might be the decline in Japanese camphor prices.

The development of potential importance to the market came in news from abroad. Eventually, a way may be found to get Central European botanical drug merchandise to this country despite the fact that war has cut off direct sea routes to and from the normal shipping ports—principally Italian and other ports on the Adriatic Sea.

The scheme developed abroad, all ready operative for some merchandise, is:—(1) Shipment of goods from Germany and/or Italy through Switzerland, and across France and Spain by rail to Lisbon, Portugal. One such train has been reported en route under convoy to ward off attacks by the air arm of Great Britain. From Lisbon, goods can move by sea to foreign buyers unless the British navy prevents.

Such an arrangement would make for an exceptionally high transportation cost on botanical drugs but the all-rail movement to Lisbon would place the merchandise at a port still open to the American merchant marine. It at least offers some hope, if not certainty, for the movement of new crop European botanicals to this market.

Balsams

Peru.—Firm. Moving well up to recent volume. Little local competition.

Tolu.—Strong. In light supply. Replacement cost high. Small offerings, any position on spot or at source.

Barks

Cinchona.—Very firm. Outlook for future stocks of pharmaceutical bark not closely defined. Japanese threat against Netherlands East Indies considered real.

Elm.—New collection coming in well at fair prices. Outlook good for fall coverage of total consumption needs. Spot quotations very steady.

Wild Cherry.—Fair stocks in reserve being increased by good collections in primary market. Prices paid for new collections about normal. Spot quotations steady. Little call.

Beans

Tonka. — Movement fairly good. Steady at all times for individual quantities moderate in size. Prices well stabilized.

Vanilla. — Demand good. Prices strong. Stocks conservative. Little competition. Import cost maintained at strong price levels in primary markets.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1940, and the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags—Detained.	Entered.
Anise	533	1,921
Belladonna	60	305
Caraway	1,354	11,838
Cardamom (cases)	...	1,172
Celery	...	3,456
Coriander	3,336	15,337
Cumin	2,303	7,570
Digitalis leaves (cases)	1	1
Dill	...	199
Fennel	485	1,016
Henbane leaves (bales)	262	270
Mustard	2,800	4,112
Poppy	550	28,183
Sage leaves (bales)	...	249
Sesame	2,581	2,034
Stramonium	121	8,049
Thyme	...	1,353

Price Changes

Advanced

Alkanet root, 32c. per lb.
Althea root, cut, 15c. per lb.
Canary seed, Morocco, ½c. per lb.
Celery seed, Indian, ¼c. per lb.
Mace, No. 1 Banda, 1½c. per lb.
Siauw, 1½c. per lb.

Reduced

Camphor, Japanese, slabs, 2c. per lb.
powder, 2c. per lb.
tablets, 3c. per lb.
Caraway seed, ½c. per lb.
Cumin seed, Cyprus, 1c. per lb.
Clove, Madagascar, ½c. per lb.
Zanzibar, ½c. per lb.
Ginger root, African, ½c. per lb.
Nutmegs, 80's, 1c. per lb.
Marjoram, Chilean, ½c. per lb.
Pepper, black, Lampong, ½c. per lb.
white, Java Muntok, ¾c. per lb.
Singapore Muntok, ½c. per lb.
red, chillies, Japanese, ¼c. per lb.
Pimento, ½c. per lb.
Poppy seed, Turkish, ½c. per lb.
Senega root, 23c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
198.4	**200.2**	**210.4**	**125.9**

Market news that may have developed after this report was sent to press will be found on page 4.

Berries

Buckthorn.—Strong. Primary market cut off. Not much demand.

Cubeb. — Shipments slow from source. Lack of normal steamship facilities due to war. Prices very firm. Not much spot trade of late.

Flowers

Arnica.—Strong. Stocks small. In strong hands. Moderate demand. No replacement likely.

Chamomile. — Moving moderately. Fall expected to be active. Replenishment of stocks highly doubtful.

Mullein. — Moderate demand ekes out small spot stock. Prices strong in subdued market.

Saffron. — Prices held. Demand small. Stocks moderate but sufficient.

Gums

Arabic.—Firm prices. Recent arrivals substantial. Much had been sold and long overdue. Shipping delays caused by war. No weakness apparent.

Camphor.—Japanese natural lower. Slabs and powder, 83c. to 84c. per pound; tablets, 87c. to 88c. Domestic synthetic prices firm. Output well sold ahead.

Karaya.—Selling well. Consumption up to seasonal limits. Prices firm to steady. Imports, 1939, totaled 7,268,399 pounds from India and 393,223 pounds from Egypt.

Tragacanth.—Sellers not assured of shipments arriving here. Strong held prices sustained by fair request. Little competition.

Herbs and Leaves

Belladonna.—Continuation of war may bring larger domestic production. Present market firm but quiet. Fair stocks in reserve.

Henbane.—Advance fully maintained. Good inquiry. Fair sales.

Henna.—Some doubt regarding arrival of replacements. Delays certain. Summer demand very good. Full price maintenance.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

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100% COMMERCIALLY PURE
PYRETHRUM
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(OIL OR WATER SOLUBLE)
—ALSO—
DERRIS ROOT
(Elliptica)
POWDER AND EXTRACTS

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206 State St. Boston, Mass.
912 East Third St. Los Angeles, Cal.
389 St Paul St., W. Montreal, Canada
383 Brannan St. San Francisco, Cal.
KARAYA (INDIAN GUM)
LOCUST BEAN
TRAGACANTH
ARABIC

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ICE CREAM — as stabilizer, DARILOID, a Kelco ALGIN product, reduces size of ice crystals, retards ice crystal growth, makes the texture smoother and more mellow, eliminates the aging of mix before freezing, speeds up production, and all the above without "masking" or covering up the flavor or "clean" taste.

CHOCOLATE MILK — COCOLOID, as suspending agent to hold up the cocoa fibre and make a light bodied, attractive, NON-SETTLING beverage.

BAKERY FILLINGS AND CONFECTIONS — KELTOSE, as water stabilizer to prevent syrup separating, melting of icing, cracking or shaling, and to reduce sticking to the wrapper.

CONFECTIONERIES, SALAD DRESSINGS, AND CHEESE—other Kelco Products — as water absorbing agent to prevent loss of moisture in candies by separation or excess drying; as gelling agent with sugar and glucose in candy slices; as stabilizer in baker's jellies; as stabilizer in salad dressings; as stabilizer in various types of soft cheese to produce smooth and firm texture and to lessen fat loss in manufacture and reduce serum drainage in the finished cheese.

COLD WATER PAINTS — KELTONE — a colloidal suspending agent for pigments and resin; also provides necessary viscosity and slip to paint and acts as efficient sizing agent.

COSMETICS — KELGIN—a hydrophilic colloid to help the suspension, dispersion, bodying, and stabilizing of creams, lotions, shaving creams, soaps, etc.

OTHER ALGIN PRODUCTS—As suspending agent in LEATHER Dressings; as stabilizer of rubber and to give definite viscosity in **LATEX MIXTURES**; and in TEXTILE printing as thickening agent in print pastes, etc.

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530 West 6th St. LOS ANGELES

Senna.—Storms in south India destroyed about 3,000 acres young plant, according to United States consul at Madras. Crop about 3,000,000 pounds, or 7,500 bales short, on prime quality item.

Miscellaneous

Ergot.—Portuguese and Spanish markets weaker. New crop influences at work. Spot prices unsettled. Shading of $2.50 per pound not improbable. Little demand.

Guarana.—Jobbing business fair. No expansion in spot trade. Prices steady in quiet market.

Papain. — Tanganyika Territory, British Africa, reported source of this item. United States consul at Nairobi quotes acting director of agriculture in territory when stating that shippers are seeking new outlets for production. Spot market routine at steady prices.

Roots

Alkanet.—Stocks very low. Market 60c. to 65c. per pound. Few dealers can offer. Stock replenishment not in sight.

Althea.—Cut root higher at 80c. to 85c. per pound. Warehouse stocks very small. Sellers greatly reserved.

Dandelion.—Price at 50c. noted but reports indicate 55c. to 60c. per pound for even moderate sized quantity. Genuine German root short on spot.

Goldenseal.—Export market cut off weakens primary market prices. Affects cost of wild and cultivated item alike. Domestic needs cannot take up total production.

Senega.—Low prices in sight. Export orders nil. Future demand doubtful and uncertain. Buyers' market now. Price 57c. to 58c. per pound and subject to further shading.

Seeds

Canary.—Morocco slightly higher at 3.60c. to 3.80c. per pound. Turkish and Argentine unchanged at 3.50c. to 3.80c.

Caraway.—Still declining. Market 19½c. to 20c. Little demand.

Celery.—Indian up sharply to 16½c. to 17c. per pound. Very little French at any price. Nominal market at 40c. to 42c. per pound.

Cumin.—Cyprus seed lower at 16½c. to 17c. per pound. Morocco holds.

Fennel.—Some Roumanian offered at 13¾c. to 14¼c. per pound.

Mustard.—Chinese yellow back in market at 8c to 8⅜c. per pound.

Poppy.—Turkish shaded to 16½c. to 17c. per pound.

Spices

Cassia.—Batavia No. 1 thin quill at 18½c. to 19c. per pound and No. 1 regular at 16¼c. to 16¾c. per pound show easier trend.

Clove.—Shaded prices bring market at 15¾c. to 16¼c. per pound for Zanzibar and Madagascar spice. Amboyna down to 24c. to 24½c.

Ginger.—African down sharply at 6¾c. to 7¼c. per pound and easy.

Mace.—Firmer and slightly higher. No. 1 Banda, 55½c. to 56c. per pound. Batavia, 37½c. to 40c. West Indian, 34c. to 41c. Range covers quality.

Nutmegs.—80's down to 20c. to 20½c. per pound. West Indian dull. Export market virtually restricted to United States.

Pepper.—Black Lampong down to 3½c. to 3¾c. per pound; Tellicherry, 6½c. to 7c. per pound. Java and Singapore white down to 7¼c. to 7⅝. Japanese chillies, shaded to 16¾c. to 17¼c.

Trading in black pepper futures on the New York Produce Exchange from July 22 to July 26, inclusive, comprised 32 contracts, a total of 1,075,200 pounds. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close
March	3.44	3.42	3.42@3.45
May	3.60	3.48	3.49@3.52
July	3.56	3.56	3.56@3.60
September	3.31	3.18	3.18@3.21
October	3.39	3.24	3.23@3.26
December	3.30	3.30	3.30@3.35

Dr. Charles H. Hofrichter, jr., now engaged in research at the Durez Plastics & Chemical Corporation, North Tonawanda, N. Y., has been awarded a post-graduate fellowship for study at Northwestern University. He received his Ph.D. in chemistry from the University of Buffalo in June.

Quicksilver Mines Open

Four hundred flasks of quicksilver, the first shipment from a British Columbia mine that began production in June, was flown July 23 from the reduction plant at Pinichi Lake, Prince George, B. C., to Fort St. James on Hudson Bay, where trucks took the cargo for delivery at Montreal. New York quicksilver factors expressed doubt that the entire 400 flasks were one month's production, as reported. The quantity shipped was almost four times the previous entire mercury production of the province.

Heavy consumption of quicksilver continues to stimulate opening of new or closed mines in the United States. Four new mines are to be opened in the Terlingua district, Texas, and a development of the King mine, 62 miles east of Tono Pah, Nev., is projected by the Stragetic Metals of Nevada, Inc. Texas production has increased substantially, the established mines around Terlingua, Tex., having raised production and accelerated activities to benefit by the foreign needs and the national defense plans that call for quicksilver reserves.

Brockway Glass to Build $750,000 Keystone, Pa., Unit

The Brockway Glass Company has broken ground at Keystone, Pa., which is three miles north of Brockway, for its $750,000 factory. All of the buildings will be of steel and concrete construction with concrete floors and steel and sheet-iron super structure.

F. Thomas MacGurn, for the past ten years in charge of the prescription ware division of the Brockway company, has been appointed advertising manager for that company. Mr. MacGurn will continue as salesmanager of the prescription ware division in addition to his activities in the advertising department.

U.S. Revenue Returns Show Increases in June

Collections of excise taxes by the Bureau of Internal Revenue, Washington, for June, 1940, compared with June, 1939, as follows:—

Taxes Collected

	June, 1940.	June, 1939.
Coconut, etc., oils processed	$1,864,860.94	$2,506,126.80
Distilled spirits, domestic, excise tax $2.25 per gallon	31,911,527.15	18,640,414.51
Distilled spirits, imported, excise tax $2.25 per gallon	3,537,982.35	1,617,930.95
Gasoline	21,085,903.15	17,796,086.44
Lubricating oils	2,924,593.97	2,493,992.11
Matches	.....	7,719.31
Narcotics, including special taxes	215,680.32	222,008.29
Oleomargarin excise taxes	43,694.27	50,841.06
Oleomargarin special taxes	279,067.49	305,706.55
Toilet preparations	1,138,063.35	1,265,740.45
Transportation of oil by pipeline	1,041,309.16	935,802.24
Total internal revenue	$697,099,295.98	$568,645,602.02

Quantities Taxed

	June, 1940.	June, 1939.
Distilled spirits, domestic tax gallons	14,256,259	8,343,904
Distilled spirits, imported tax gallons	1,768,247	775,617
Distilled spirits, rectified, proof gallons	4,288,902	2,108,358
Oleomargarin colored pounds	16,398	19,098
Oleomargarin, uncolored	16,795,668	17,900,104

Pittsburgh Harshaw Picnicking

The Pittsburgh office of the Harshaw Chemical Company, Cleveland, Ohio, will have a picnic August 4 in commemoration of its tenth anniversary. The festivities, to include refreshments and a variety of entertainment, will be held in Brooker's Grove which is 15 miles north of Pittsburgh on route 19. They will start at 2:00 p.m. D.S.T.

U.S.-du Pont Powder Plant Given $20,000,000 Order

OPD Washington Bureau
July 19, 1940

The War Department today placed an order for $20,000,000 worth of explosives to be manufactured at the $25,000,000 smokeless powder plant being built for the government at Charlestown, Ind., by E. I. duPont de Nemours & Co., Wilmington, Del. The plant, which will not be completed for about ten months, will be operated by the duPont company for the government.

Obituaries

George W. Gair

George West Gair, chairman of the directorate of the Robert Gair Company, manufacturer of shipping containers, this city, died in his home in Connecticut July 21. He was sixty-seven years of age.

Born in Jersey City, the son of Robert Gair, founder of the Gair company, George West Gair entered the employ of his father in 1886, following his education in public and private schools and Columbia Institute, this city. He became vice-president of the company in 1903, the year in which the company was incorporated. In 1920 he was named president of the company. Since the death of his father in 1927, Mr. Gair has been chairman of the board.

Surviving are his wife, Mrs. Helen FitzMaurice Gair, and a son, George West Gair, jr., now in the American Air Corps of the United States Army, at Honolulu, and four sisters.

J. B. McCormick

J. B. McCormick, president and treasurer of the W. J. Gilmore Drug Company, wholesale druggist, Pittsburgh, died July 19 in a hospital in that city after a brief illness.

Mr. McCormick started with the Gilmore organization in 1897 as a stock boy, and was subsequently made manager of the sundry and toilet goods department. He was elected president in 1924 and took on the additional duties as treasurer in 1933. Surviving are his wife and a sister.

Herbert C. Reed

Herbert Calhoun Reed, internationally known as a consulting chemist to the leather industry and allied trades, senior partner in the Reed-Blair Laboratories, consulting chemists, this city, died July 25 in a hospital in Stamford, Conn., after an operation. He was sixty-six years old.

Born in Stamford, Mr. Reed graduated from the Sheffield Scientific School of Yale University in 1895. Later he studied textile dyeing at the Philadelphia Art & Textile School. From 1896 to 1911 he was a consulting chemist to the Standard Manufacturing Company. In 1911 he opened his own laboratory in New York and in 1938 formed a partnership with Craig A. Blair, of Newark, who had been his friendly competitor for many years.

A founder of the American Leather Chemists Association, Mr. Blair served as its president in 1905-06 and as a member of the Council in 1907. He was named secretary treasurer of the association in 1908, a post he held until 1936 when he was succeeded by Mr. Blair.

Before the World War Mr. Reed was president of the American section of the International Association of Leather Chemists. During the war he was consultant chemist to the British War Mission in the United States. He was a member of the Yale Club of New York, and had been a member of the Stamford Yacht Club.

Surviving are his wife and three daughters.

David E. Ushkow

David E. Ushkow, founder and president of Endo Products, Inc., this city, died of a heart attack on July 16. He was fifty-three years of age.

Mr. Ushkow spent practically his entire life in the pharmaceutical and surgical supply business. He was a graduate of the Columbia University School of Pharmacy. About 1915 he established himself in the surgical supply business.

Surviving are his wife and a daughter.

Eldad L. Clarke, first president of the Dover Fire Company and founder of the drug firm of Clarke & McDaniel in 1873, died July 21 in Dover, Del. Mr. Clarke, who retired from the drug firm in 1927, was eighty-nine years of age.

George Russell Kelsey, president of Kelsey-Risden, Inc., dealer in glue and paper products, this city, died July 19. He was sixty-four years of age.

Eugene Potter, oil producer and one of Bradford's most prominent citizens, died at his home in Bradford, Pa., July 18. He was sixty-nine years old.

Harry M. Rugg, automotive engineer of the Pennsylvania Grade Crude Oil Association, and an outstanding figure in the field of lubrication, died in DuBois, Pa., July 24, from inquiries received in an automobile crash. He was fifty-nine years old.

Einar Rygg, assistant advertising manager of Gulf Oil Corporation, Pittsburgh, died recently. He was forty-one.

Ludwig Saarbach, widely known as an consulting chemist in oils chemicals and allied industries, died July 18. He was eighty-four years of age.

Charles Duryea Smith, for many years identified with the wholesale fertilizer industry in Long Island City, died in his home in Huntington, Long Island, July 21. He was seventy-one years of age.

Arthur G. Wannemacher, sales manager for the Bison Oil Products Company, died in Buffalo, July 18 from injuries suffered when he fell from a horse at Thunder Bay, Ont. He was forty-five years of age.

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FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR), FRANCE

Essential Oils, Aromatic Chemicals

Wormseed Slightly Lower — More Competition in Citronella Brings Price Shading — Fair Outlook for Production of Domestic Oils—Citrous Oils Active—Aromatics Steady

Essential oils and aromatic chemicals continued routine as to activity but generally very steady so far as prices are concerned. In fact, the basic position of almost all oils—certainly as concerned all imported items—was one of substantial strength. Basic causes of strength included the war that has disrupted normal commercial activity of all varieties. Absence of heavy demand has not turned sellers toward price reductions as a stimulus. Stocks in hand were felt to be truly valuable merchandise because replacement of the same by new purchases would be difficult and problematical.

Outlook for domestic production was said to be fair. The seasonal climatic conditions have been fairly favorable, always subject to minor exceptions. Early forecasts on domestic production suggest the likelihood of output being about normal.

Seasonal demand for citrous oils was excellent. Hot weather increased consumption of beverages, a fact evident from the activity of supply houses in seeking replacement of stocks already moved to manufacturing consumers. Prices were fully steady.

Price Changes

Advanced

None.

Reduced

Citronella, Ceylon, 1c. per lb.
Java, 1c. per lb.
Wormseed, 15c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
128.5	128.9	127.2	70.3

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Improved demand stiffens values. Undertones firm.

Bergamot.—Firm. Not especially active. Demand mainly jobbing. Stocks limited. Not readily replaced.

Birchtar.—Fair jobbing interest. Stocks conservative. No replacements of late. Few likely. Firm prices.

Bois de Rose.—Firm prices at source. Moderate demand reaches dealers. Reserves proving sufficient.

Calamus.—Few orders. Call finds firm prices not subject to shading.

Caraway.—Steady market. Offerings conservative. Sellers reserved in offerings. Stocks being stretched as much as possible.

Cardamom.—Routine demand strictly jobbing but in full support of firm spot prices noted locally. Little competition.

Cassia.—Subject to close watching. Situation at shipment port acute as Japan and China clash around Hong Kong. Shipments uncertain.

Celery.—Future uncertain. Production from India seed suggested now that French seed is cut off. Stocks of latter almost exhausted on spot. Moderate reserves of oil.

Citronella.—Lower. Ceylon, drums, 36c. to 37c. per pound; cans, 38c. to 39c.; Java, 34c. to 35c.

Clove.—Steadier situation continued. No further price concessions. Sales making fair totals. No weakness in raw material.

Cumin.—Demand hand-to-mouth, covering prompt needs. Very steady prices.

Cypress.—No competition locally. Conservative stocks in all quarters. Small lot call in fair volume.

Fennel.—Reserves fair. Little surplus. Buyer interest limited. Replacement uncertain. Tends to keep firm prices.

Grapeseed.—Cosmetic manufacturers slowly increase interest in item. Production could be expanded substantially.

Ginger.—More inquiry. Quantities wanted gain some. Generally steady prices.

Guaiac (Concrete).—Very firm. Replacement in conservative quantities the rule. Fair to better demand.

Juniper.—Stocks shrinking and not replaceable at present. Normal arrivals of new production failed. Interest in substitutes likely to gain.

Juniper Tar.—Reason to believe Spain my increase exports, possibly through Portugal. Substantial arrivals would be welcome.

Lavender.—France entirely cut off. Consumers to depend on unsold stocks here and on synthetic equivalents. Prices strong and often subject to confirmation.

Lemon.—Domestic production moving well. Meeting bulk of home demand. Undersells Italian oil by substantial margin. Offerings of latter limited. Hot weather increases consumption.

Lime.—Seasonal demand excellent. Stocks none too ample but still adequate. May increase as demand cuts other countries from primary market supplies.

Orange.—Wide spread hot weather raises consumption by beverage trade. Plentiful supplies. Produced wherever oranges grow. California oil exceptionally attractive in price and quality.

Peppermint.—Hot weather in middlewest brings some adverse reports on peppermint crop progress. Production season not far off. Crop to be close to 800,000 pounds; hence about normal, according to reports.

Petitgrain.—Steady. Moving in jobbing lots mainly. No unsettlement in prices.

Pineneedle.—European stocks cut off by war. Local reserves fair. Prices firm in absence of competition.

Sassafras.—Fair production domestic oil expected. Carryover moderate. Prices very steady. Artificial oil firmly maintained in price.

Wormseed.—Shaded to $4.35 to $4.45 per pound on spot. Fairly close to replacement cost. Crop coming along well.

Wormwood.—Dealers look for more favorable price with marketing of new crop. Practically no current demand.

Ylang Ylang.—Reserves fair. Demand irregular with total modest. Prices holding.

Aromatic Chemicals

Linalyl Acetate.—In good request. Fully normal movement. Prices steady to firmer.

Menthol.—Japanese lower at $3.50 to $3.60 per pound. Cheaper on spot than at source. Chinese competition active. Demand poor.

Menthyl Salicylate.—Seasonal activity very good. Cosmetic manufacturers increase their takings. Prices stable.

Methyl Acetophenone.—Slightly more competition and a trifle of price unsettlement noted. No open change in quotations.

Methyl Anthranilate.—In good reserve. Moving well in normal volume. Prices very steady. Limited competition.

Methyl Benzoate.—Good jobbing demand. Firm prices and little competitive tendencies.

Methyl Cinnamate.—Sales off moderately but not seriously. Prices continue to show full stability.

Methyl Heptenone.—Dull market. Strictly jobbing. Prices holding fairly well.

Methylhexyl Ketone.—Demand sustained well. Moderate quantities taken by excellent number of buyers. Prices very steady.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

Production Economy
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(Midway between Ceylon and Java character)
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expensive OIL CITRONELLA
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IMPORT ESSENTIAL OILS EXPORT
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TERPINEOL
LINALOOL
LINALYL ACETATE
DODGE & OLCOTT COMPANY
180 VARICK STREET NEW YORK, N. Y.
Boston Chicago Philadelphia St. Louis Los Angeles
Plant and Laboratories: Bayonne, N. J.

Methyl Phenylacetate. — Some shading reported under competition. No change in open quotations. Conditions favor buyers slightly.

Methyl Salicylate.—Normal activity. Interest in later deliveries excellent. Prices firm but also stabilized.

Musk.—Demand moderate in size but very steady. Prices still attractive.

Novoviol.—All grades firm. All in fair request. Few signs of important competition.

Paracresyl Acetate.—More inquiry and demand along jobbing lines. Very steady prices. Fair reserves.

Pelargol.—Demand slightly under recent volume. More tendency toward hand-to-mouth transactions. No fluctuation in price.

Phenyl Acetaldehyde.—Rather narrower consumer outlet.

Export Control Rules Not Made Public

—Continued from page 3

would be garbled by the newspapers if released publicly, and would cause the control officials more trouble than it would eliminate.

No information is given out as to licenses rejected, and the applicant is not given specific reasons for the rejection, so it is not possible to learn from this source what general types of shipments are apt to be denied exportation.

The Post Office Department has circulated the export control regulations to all postmasters with instructions to detain all mail export shipments unless properly licensed. The department calls attention to the fact that most of the chemicals on the list are unmailable under any conditions, even when their export is licensed, and that diphenylamine, nitrates, sodium acetate, and strontium chemicals may be mailed only under certain conditions.

The only general rule announced by the Division of Control is that no license is required for chemicals composed in part of listed commodities if they are fully fabricated articles ready for use by the ultimate consumer, unless they are chemicals specifically listed in the regulations of July 3. Thus, for example, quinine sulphate requires a license, while other quinine salts do not.

The department has notified collectors of customs that in the case of optically clear plastics export licenses are required only for colorless sheets of methyl methacrylate plastic of thickness greater than 60/1000 of an inch and are not required for plastics of cellulose acetate, vinylite, or others except nitrocellulose which is subject to license when in plastic form.

American Asphalt Merges And Changes Corporate Name

American Asphalt Paint Company, Chicago, and its subsidiary, Marietta Paint & Color Company, Marietta, Ohio, have been consolidated and are operating as a single unit, according to announcement by Grover M. Hermann, president of the new company. Plants of the company are in operation at Kankakee, Ill.; Marietta; High Point, N. C., and Lincoln, N. J. Sales of the organization the first half of 1940 showed a substantial increase over the corresponding 1939 period, according to Mr. Hermann. The company will operate as the American Marietta Company.

Industrial Developments Told

New processes, machines, and products for use by industry are again presented in the June issue of *Witcombings*, houseorgan of Wishnick-Tumpeer, Inc., manufacturer of materials for the rubber, paint, and allied industries, this city. The edition also contains an article describing the new Chicago plant of the company, completed this year, the twentieth anniversary of the organization. A copy of the informative booklet may be obtained by addressing Wishnick-Tumpeer, Inc., 295 Madison avenue, New York, N. Y., mentioning the REPORTER.

Hercker Products Corporation, this city, has reacquired 4,102 common shares, bringing its holdings to 66,602 shares.

Trigg on Defense and Paint Industry

—Continued from page 37

In connection with this subject and the statement just made, may I call attention to the fact that there is really little use in manufacturers coming to Washington at this time to seek orders for the type of material in question, inasmuch as the orders themselves will be placed as previously stated by the contractor and not by the government directly. This does not, of course, apply to orders of the War Department or other government departments for their own specific use, but it does apply to furnishing materials required for equipment and supplies in the general natural defense program.

It is recognized, of course, that the government departments having to do with these questions are all working under high pressure and it is, therefore, suggested that if any of our members have questions with regard to specfications which are not clear to them or if they have any complaints with regard to government specifications that by taking up such matters direct with your national headquarters office we may be able to deal with them more expeditiously and more satisfactorily all around than could be done by correspondence with the departments of the government.

May I add the thought here that in the absence of our own government becoming actively engaged in the war, there will likely continue to be considerable building activity of a private, as well as a government nature due to a considerable amount of emergency and more or less temporary housing accommodations which will have to be provided. The need for these accommodations will develop as the government's plans for defense material purchases mature and cannot, of course, be known as yet and will only be known from time to time as final arrangements for such defense materials are made. It is possible that as our own program of national defense crystallizes, more and more skilled labor will be required in the industries so involved and to the extent that such skilled labor is drawn from the ranks of the building industry, construction will probably taper off.

Transformed Operations

It is conceivable that the paint and varnish manufacturer may be able to adapt certain parts of his factory to the production of materials other than paint and varnish. At first thought this would appear to be impracticable since paint and varnish equipment is especially designed for this purpose and cannot readily be adapted for the mixing and grinding of other materials. On the other hand, there may be mixtures of certain substances used during wartime, which could be produced in large size mixing equipment.

In this connection, we are informed that some of the British paint manufacturers are practically making no paint of the regular types, producing only paint supplies for government purposes and using substantial parts of their equipment for making war materials which are ordinarily not considered as part of the paint business, but to which they have adapted their facilities. I have a letter dated June 5 from Mr. Samuel R. Hadfield, of Hadfields, Ltd., Surrey, London, England, in which he say:—"All our energies are bent on war."

Let me also quote another paragraph from his letter by way of a first-hand message from over there:—"Never before was this country so united and we all feel that no sacrifice will be too great to win. At the moment, we are fighting with our backs to the wall and will need all the help we can get. A little help is worth a lot of pity."

Along the same line, let me quote from a letter from E. E. Tongue, of Jenson & Nicholson, Ltd., London, dated June 20:—"Your words about our country are also very moving and quite a consolation to us. The poor old mother country certainly has her back to the wall at the moment, but we are always at our best when hard pressed, and believe me, every one is full of grim determination and going to see the issue through to the bitter end. Our cause is so right that the tide must eventually begin to turn in our favor."

Coming back to the thought of the possibility of using the equipment of our industry for other purposes, may I suggest that if the paint and varnish manufacturer in collaboration with his technical staff will consider the various items which it is known are being bought by the government, he may be able to pick out certain things which relate to chemical substances, some of which might possibly be produced in our factories to the advantage of the defense program and of the government as a whole. While some believe that a manufacturer in one line should stick to that line, it is possible that certain types of products may be in such demand that this old policy may have to be changed at least temporarily.

In this connection, let me point out that there should be no discouragement in this direction to smaller manufacturers as compared to larger ones as it seems certain that inland locations some distance away from the seacoast will prove of strategic advantage in spreading points of production throughout the country and certainly will be of advantage from a national standpoint in the distribution of labor requirements thereby insofar as possible preventing dislocation in the normal conduct of business.

In circular 600 of the scientic section, the requirements of various Federal government purchasing agencies —Federal Works Agency, Federal Housing Administration, Home Owners Loan Corporation, United States Maritime Commission, United States Coast Guard, and the United States Army—are outlined, and a study of these specifications and requirements given in circular 600 could be made at a meeting of the personnel of the sales and technical staffs of the paint manufacturer.

Insofar as the United States Navy (with the exception of the Bureau of Aeronautics) is concerned, only raw material for paint and varnish manufacture are purchased, since their own paint and varnish plants produce the paints and varnishes used by the navy. Should these plants become so burdened with requirements that they are not adequate to take care of their production, the Navy Department would doubtless call upon the paint industry for assistance. There is no such likelihood in the immediate future.

The coating of gasmask fabric to make them proof against mustard gas and other poisonous gases may become an item of interest to varnish manufacturers who could produce coatings of this character, to be furnished to the textile mills having to do with the production thereof.

The production of solutions which could be used for moisture—proofing of certain types of uniform cloth as well as making it resistant to mustard gas, might be worthy of consideration, so that such coating could be readily available to the clothing manufacturers who have contracts for the production of uniforms.

In a similar manner, the development of coatings for shoes and army footwear, that would be moisture-resistant and proof against mustard gas and other gases, might be worthy of consideration.

However, it should be borne in mind that insofar as we know, there is no demand for the above-named products at the present time, but the hint is merely given to stimulate the research departments to have such materials ready, should they be demanded in the future.

Your national association is keeping in as close touch as possible with all developments and will keep its members just as closely advised as possible. Your organization is well manned with experienced people looking after various phases of the industry's business and its services can and undoubtedly will be of very great benefit to each of its members as well as the government, provided they are freely made use of.

Phillips Pipe Line Company, as of June 30, 1940, ceased to be a subsidiary of the Phillips Petroleum Company, Bartlesville, Okla., by reason of the distribution of its net assets to the latter company in complete redemption of the Phillips Pipe Line capital stock.

Petroleum Products Put Under Export License

—Continued from page 3

restrict the exportation of articles useful in national defense, and there is no official criterion as to what types of licenses will be issued for ordinary commercial shipments of all petroleum products except those especially adapted to aircraft for export to nonbelligerent countries; and it is not unlikely that licenses may be issued for aviation gasoline for England but not for Japan.

The action of the Treasury Department, taken under a recent executive order of the President requiring clearance papers for all movements of ships in American waters, was taken on the ground that petroleum is an article of contraband and is liable to seizure by a belligerent power, and that prudence requires that American tankers be kept out of European waters. July 10 the Treasury Department refused clearance to the Texaco tanker "Aryan" at Port Houston, Texas, loading for Santander, Spain, and July 11 it refused clearance for the Texaco tanker "Nevada" at Port Houston loading for Bilboa, Spain. These ports are still open to American shipping under neutrality proclamations. The department denied that the action was taken at the request of the British government, although it is known that the British have announced a tightening of their contraband control.

Alien Chartering Barred

The Maritime Commission stated that it would not permit American vessels to be chartered to aliens for voyage outside the Western Hemisphere on the ground that such vessels would be outside the control of the commission for too long a period.

The commission interprets the term, "charter," to apply to a vessel carrying a cargo destined to a single purchaser, since the purchaser would have a certain control over the vessel's movements. Thus the commission has recently refused several applications for American-flag tankers owned by United States oil companies to deliver cargoes of petroleum to Japan even when the petroleum was bought and paid for by a Japanese importer. Permission was similarly refused to a cargo ship which desired to take barreled gasoline to Japan.

The policy does not apply to vessels of regularly scheduled lines handling miscellaneous freight for many shippers as common carriers.

Tobacco Monopoly Charged by U.S.

—Continued from page 3

tailers through whom tobacco products reach the public. It is further charged that the defendants employ price-fixing devices for the purpose of eliminating competition among themselves and from others, and that they abuse their position of dominance by exacting harsh and oppressive terms from those with whom they deal.

The information is in four counts and charges both an unlawful combination and conspiracy in unreasonable restraint of trade, and violations of the monopoly provisions of the Sherman act.

N.E. Production Club Plans Fall Paint Course

The New England Paint and Varnish Production Club is planning to conduct another paint course this Fall. The course, given under the auspices of the Massachusetts Department of Education, Division of University Extension, will cover modern paint practice and merchandising, giving practical and non-technical information on the utilization of paint and varnish products from every phase of the industry.

Davison Chemical Corporation, Baltimore, has reported to the Securities Exchange Commission that under an agreement date July 1, 1940, interest rate on the remaining outstanding $980,000 of bank loans obtained on December 31, 1935, has been reduced to 3 percent from July 1, 1940, to December 31, 1940, the maturity date, instead of 6 percent as stated in the original agreement.

Petroleum Solvents, Lubricants, Fuels

Extending of Export Licensing to Petroleum Means Virtual Embargo — Oil Crisis in United States Made More Acute by Move—Texas Officials Call Meeting

The gravity of the crude oil situation in the United States became more acute last week, when the export licensing system was extended to petroleum products, an act which virtually amounted to an embargo. Export movement of oil to continental Europe declined steadily in recent months, Spain and Portugal being the only two countries where oil could be sent. Last week two shipments loaded for Spanish ports were ordered unloaded. It is also reported that further shipments to Japan and Siberia will not be permitted. With oil stocks in this country accumulating rapidly, and with prices feeling the pressure, producers are working frantically to prevent further market depressions.

The Texas Railroad Commission called a meeting for August 1 to consider the situation. Despite the requests of two members of the commission, Governor Leon C. Phillips refused a request to call a special meeting of the Oil Compact Commission as yet. The Independent Petroleum Association of America began a meeting late last week and were undoubtedly planning remedial suggestions to present at the Texas hearing.

In general, the market for petroleum products was quiet and unchanged last week. Gasoline and light fuels oils were in heavy demand but prices did not respond. Solvents and diluents were routine and firm. White oils and petrolatums were moving normally and paraffin was easier. Lubricant prices continued to scrape bottom.

Price Changes

Advanced

None.

Reduced

None.

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Aromatic Naphthas.—Business fair. Prices firm.

Cleaners' Naphtha.—Movement of stocks satisfactory. Inquiries fewer. Price steady and unchanged.

Lacquer Diluent.—Seasonal slowness. Price firm.

Petroleum Thinners.—Paint makers purchases smaller. Inquiries few. Prices firm.

Rubber Solvent. — Market quiet. Only small lots moving. Price steady.

Stoddard Solvent. — Business fair. Price firm.

V.M. & P. Naphtha. — Seasonal movement. Price steady and unchanged.

Markets at Other Centers

New Orleans—July 25

The market for petroleum solvents and diluents was characterized as routine last week. Prices were steady and were quoted as follows:

CLEANING SOLVENT.—Boiling range 225-350, gravity 53, 6¾c. delivered New Orleans in tank cars.

V.M.P. NAPHTHA.—Boiling range 175 425, gravity 48, 6½c. delivered New Orleans in tank cars.

Chicago—July 25

Buying of petroleum solvents and diluents is holding up. Inquiries are moderate but contract takings are not large. Tone is fairly firm. Ruling prices in tankcar lots f.o.b. Group 3, Oklahoma, are: Blending naphtha, 4c. to 4½c. per gallon; cleaners' naphtha, 6½c. to 6¾c.; petroleum spirits, 5½c. to 5¾c.; rubber solvent, 6½c. to 6¾c.; lacquer diluent, 7c. to 7¼c.; V. M. & P. naphtha, 6½c. to 6¾c.

Tulsa—July 25

Despite buyers seeking concessions the market for petroleum solvents and diluents is routine. Quotations unchanged at 6⅞c. to 7c. per gallon for rubber solvent and V. M. & P. and cleaners' naphthas; 6⅜c. to 6½c. for Stoddard; 7⅞c. for lacquer diluent and 4c. for blending naphtha.

Lighter Fractions

Butane.—Market slow. Price steady.

Heptane.—No new features. Dull trade reported. Price unchanged.

Hexane.—Little of new interest. Shipments routine. Price firm.

Octanes.—Normal movement of stocks. Price steady.

Propane.—Business slack. Price unchanged.

Petrolatums and Waxes

White Mineral Oils.—Trade was holding to fairly good levels last week. Prices were firm and unchanged.

Petrolatums.—Market routine. Shipments regular but in small-sized lots. Prices firm and unchanged.

Paraffin.—Crude scale prices slightly easier but unchanged. Demand only fair. Refined grades moving well at firm quotations.

Chicago—July 25

The refined petroleum wax market is easy, with prices just barely holding. Demand has not been large. Ruling prices are:—122-124, 5.6c. to 5.65c.. per pound; 125-127, 5.6c. to 5.65c.; 127-129, 5.85c. to 5.9c.; 130-132, 6.15c. to 6.2c.; 132-134, 6.4c. to 6.45c.

Tulsa—July 25

Quotations on crude paraffin are steadier with 124-26 ruling at 3½c. to 3¾c. per pound.

Fuels and Lubricants

Gasoline. — Consumption heavy. Prices easy. Strong rumor that tankcar motor fuel could be purchased in the East at ¼c. to ⅝c. per gallon less than quoted.

Kerosene.—Market quiet and devoid of new developments.

Fuel and Gas Oils.—Bunker C fuel oil prices firm. Heating oils easier and in little demand. Light fuel oils moving well.

Lubricating Oils. — Pennsylvania bright stocks and neutrals continued to scrape bottom. Demand was better but quotations did not strengthen.

Markets at Other Centers

Chicago—July 25

Gasoline is irregular and uneasy, although consumption is at the largest levels ever known. Kerosene and tractor fuel business is active, with prices unchanged. Light heating oils are weaker. Heavy fuels are in good call. Lubricants are marking time.

GASOLINE. — High octane, 4¾c. to 4⅞c. per gallon; middle octane, 4⅜c. to 4½c.; low, 4c. to 4⅛c.; 60-62, 400, 4c. to 4⅛c.; 64-66, 375, 4¼c. to 4⅜c.; 68-70, 360, 4½c. to 4⅝c.

KEROSENE.—42-44, w.w., 4c. to 4¼c. per gallon; 41-43, w.w., 3⅞c. to 4⅛c.

FURNACE OILS.—Range oil, 3⅝c. to 3⅞c. per gallon; No. 1 white, 3½c. to 3¾c.; No. 1 straw, 3⅜c. to 3⅝c.; No. 2 straw, 3¼c. to 3½c.; No. 2 dark, 3⅛c. to 3⅜c.; No. 3, 3⅛c. to 3⅜c.; 32-36, dark, industrial gas oil, 2⅝c. to 2⅞c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 75c. to 80c.; No. 6, 60c. to 70c.

The State of the Petroleum Market

Crude oil and tankcar gasoline prices were unchanged last week.

	July 26	July 19	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.1720	$1.1720	$1.147
Gasoline prices at refineries (at four refining centers) per gallon.....	.0520145	.0520145	.0492869

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1940	1939
	Jan. 1-July 27	Jan. 1-July 27
Commercial crude oil production.....	757,013,000	707,901,412
	Week ended July 27, 1940	Week ended July 28, 1939
Daily average production.....	3,565,830	3,571,588
Bureau of Mines estimate.....	3,628,400	3,513,200
	Week ended July 20, 1940	Week ended July 13, 1940
Estimated motor fuel stocks.....	91,789,000	92,372,000
Estimated finished motor fuel stocks.....	84,639,000	85,281,000

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

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National Petroleum, Sept. 18-20, Atlantic City.

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New Orleans—July 25

The domestic market is firm with no change in quoted prices. U. S. motor gasoline is 5¼c.; 63-67 octane, 5½c. and 70-72 octane, 6c.—all being on a per gallon basis at refinery. Kerosene remained steady at 7½c. per gallon at refinery. Bunker C fuel oil is 80c. per barrel at terminal and 85c. delivered alongside. The price to industrial plants is $1.46 per barrel, delivered alongside.

Tulsa—July 25

Concern over the crude price has unsettled the refined markets. Scattered offerings of gasoline at concessions are in evidence. Inquiries for high octane gasoline export have again come into the field. Export shipments have increased moderately during the past few weeks, going mostly to England. The high rate of industrial activity this week again caused greater ordering of fuel oil than generally prevails at this season. The remainder of the products are steady with quotations mostly unchanged.

GASOLINE.—U.S. Motor, third grade, 3¾c. to 4½c. per gallon; 63-66 octane, 4c. to 4½c. and 72-74, 4⅝c. to 4⅞c.

NATURAL GASOLINE.—Texas, 26-70 grade, 1¼c. per gallon and 18-55, 1½c.; Oklahoma, 26-70, is 1½c. and 18-55, 1¾c. to 1⅞c.

DISTILLATES.—No. 1 prime white, 3⅜c. to 3½c. per gallon; straw, 3¼c.; No. 2 straw, 3¼c. to 3⅜c. and gas oils, 2⅝c. to 3c.

KEROSENE.—2he 41-43, 3¾c. to 4c. per gallon and 42-44, 3⅞c. to 4⅛c.

FUEL OILS.—Low gravity below 16 degrees 50c. to 55c. per barrel and 18-22, 72½c. to 85c.

LUBRICANTS.—Quotations are holding with volume of business increasing. Bright stocks are 14c. to 19c. per gallon, while neutrals are 8c. to 14½c. per gallon.

Guy W. Fallon, vice-president and general manager of Public Service Company, Denver, a subsidiary of Cities Service Oil Company, has been named president to succeed the late Henry L. Doherty.

Ala. Outlaws 'Gas' Rebates

Birmingham, Ala., July 24, 1940

A new law prohibiting rebates, premiums, or discounts on retail sales of gasoline and oil in Alabama will become effective August 1. The bill, passed at the recent session of the Legislature ,was signed by Gov. Frank Dixon July 2. The law applies only to the retail service stations. Every retailer is required to post the price of his gasoline and oil in one-inch or larger letters on the pump or stand, and to charge every customer the posted price.

Crude Oil Daily Output Up

The daily average gross crude oil production in the United States during the week ended July 20 was 3,580,350 barrels, an increase of 19,600 over the 3,560,750 in the previous week, according to the American Petroleum Institute. An increase of 24,700 barrels in the daily average output of Texas was the most important change. Stocks of finished and unfinished gasoline in the United States at the close of the week were 91,789,000 barrels, a decrease of 583,000 from the 92,372,000 a week earlier. A year ago these stocks amounted to 78,711,000 barrels. Finished gasoline stocks declined 642,000 barrels to 84,639,000, compared with 72,736,000 on July 20, 1939.

Road Oil Sales Up in 1939

Refinery sales of road oil increased from 7,741,843 barrels in 1938 to 8,108,400 barrels in 1939, according to the Bureau of Mines. Petroleum refineries in the United States reported the production of 7,868,000 barrels of road oil in 1939, compared with 7,788,000 barrels in 1938.

Howard Kellogg, president of Spencer, Kellogg & Sons, was a visitor in Minneapolis last week.

Fertilizer Materials

New Soda Nitrate Bag Price Not Announced But Advance Rumored —Sulphate of Ammonia and Potash Salts Very Tight —Feed Buying Slower — Price Changes Mixed

Late Friday, both domestic and Chilean nitrate producers had failed as yet to make a definite decision on what action will be taken regarding the price of nitrate of soda in bags beginning August 1. Present contracts expire July 31. It was strongly rumored in the trade that an advance in price will be made, reflecting the higher cost of bags.

Developments in the market for sulphate of ammonia and potash salts were giving concern to the trade last week. Export demand for sulphate was extremely heavy and export prices were in upper brackets. As a result, many domestic consumers were encountering difficulty in obtaining their full quotas of material. Imported potash stocks were reported to be depleted and domestic producers were overburdened with orders, a factor which slowed down scheduled delivery.

The market for feed materials was less active during the period. Feed price advances were halted and in one case, unground tankage at New York, a reduction was made. Fertilizer grade tankage was also lowered. Other price developments were an advance in cottonseed meal and a reduction in castor pomace. The menhaden fish haul in the Chesapeake Bay area was much heavier last week and a when-and-if-made sale of several hundred tons was contracted at a price lower than the one now quoted.

Nitrogenates

Ammonia Phosphate. — Inquiries satisfactory at price reported in last issue.

Cyanamid.—Announcement of new quotations two weeks ago prompted a better interest.

Castor Pomace.—Domestic material reduced $1 per ton to $15. Prices withdrawn on imported product.

Dried Blood.—All prices firm and unchanged. Market less active.

Fish Scrap. — A when-and-if-made sale of several hundred tons of Chesapeake Bay menhaden was booked at $3.35 and 10c. per unit, a 15c. reduction.

Manganese Sulphate.—Market firm. Demand satisfactory. Contracts being negotiated at good rate.

Nitrate of Soda.—No action taken regarding new bag price to become effective August 1. It was strongly rumored last week that the bag price will be advanced approximately 50c. per ton.

Sulphate of Ammonia.—Very tight. Heavy export call. Many domestic buyers unable to purchase their usual quotas.

Tankage.—Fertilizer grade reduced 10c. per unit to $2.25 and 10c. at New York. Feeding grade reduced similar amount to same price. Chicago market steady. Imported firm.

Potashes

The market for muriate of potash and manure salts continued to move actively last week. Stocks in the hands of suppliers were fairly scarce and some sellers were unable to meet commitments. Prices were firm and unchanged.

Phosphates

Bone Materials.—Buying was less active. Prices were steady and unchanged for all grades.

Phosphate Rock.—No new developments. Market routine for this time of year. Prices firm.

Superphosphate.—Sales volume fair. Prices steady.

Sulphur and Pyrites

Demand for crude sulphur was less insistent but shipments were reported to be fairly heavy. Prices were steady and unchanged. The market for pyrites was more quiet with Spanish material purely nominal.

Markets at Other Centers

Atlanta—July 24

Sulphate of ammonia is reported closely sold up. The U. S. Bureau of Commerce states the largest single cargo of Chilean nitrate of soda on record entered Savannah in July. The cargo consisted of 15,600 tons. During July, 1939, shipments of the material into that port was 8,325 tons. Quotations of leading materials on a dull market are as follows:—

SUPERPHOSPHATE.—52c. per unit, interior producing points.

NITRATE OF SODA.—$27 per ton, ports.

SULPHATE OF AMMONIA.—$28 per ton, port basis.

COTTONSEED MEAL.—8 percent grade $28 to $28.50 per ton, Southeastern mills.

BLOOD.—$2.50 per unit, basis Chicago.

TANKAGE.—High grade, $2.75 and 10c. per unit, Chicago; South American, $2.40 and 10c.

Baltimore—July 24

The market for crude fertilizer materials is quiet, with trading on a limited scale.

FISH SCRAP.—There are reports that several hundred tons of menhaden scrap have been sold at $3.35 and 10c. per unit for when-and-if-made delivery. This is a 15c. per unit reduction.

SUPERPHOSPHATE.—Unchanged and quiet at $8 per ton for 16 percent supplies, and $8.50 for guaranteed stocks.

TANKAGE.—Quiet, with offerings of unground material at approximately $2.25 and 10c. per unit-ton.

DRIED BLOOD. — Interest continues slack, with trading featureless. Domestic material offered at $2.25, f.o.b. Baltimore, with South American stocks at $2.40 per unit-ton.

Chicago—July 24

Fertilizer materials markets have been about steady, although minor scattered price changes have been reported. Blood has been ordered in fair volume. Tankage business is rather good, with buyers taking moderate quantities. Bone materials have been slow, with some spotted improvement in certain divisions of the market.

BLOOD.—Principal grade, $2.50 per unit of ammonia.

TANKAGE.—High grade, feeding, $2.75 and 10c.; hoof-meal, $2.25 to $2.40; liquid stick, $1 to $1.25.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $28; 3 and 50 percent, $29 to $30; 4½ and 50 percent, $30 to $33; grinding hoofs, pigs' toes and waste horn materials, $33 to $35; cattle jaws, skulls and knuckles, $34 to $35; pork cracklings, soft pressed, $32.50 to $37.50; beef cracklings, soft pressed, $30 to $35; hard pressed cracklings, per unit of protein, 57½c. to 60c.

San Francisco—July 24

Canadian producers of sulphate of ammonia will be unable to make offers for delivery this year and producers' agents were temporarily withdrawing their offers on ammonia phosphate. Sellers of domestic sulphate of ammonia have completely sold out for the coming season. Organics in moderate demand. Markets steady.

SULPHATE OF AMMONIA.—$38 per ton in 100-pound bags, delivered inland points.

SUPERPHOSPHATE.—Domestic, 80c. per unit in bulk, f.o.b. San Francisco. Bags, 91c. per unit.

NITRATE OF SODA.—100-pound bags, $29 per ton and 200-pound bags, $28.30, both ex-vessel or warehouse. Bulk lots at $27.

AMMONIA PHOSPHATE. — Producers of the Canadian material have temporarily withdrawn from the market.

FISH MEAL.—Spot California sardine meal, $53 per ton, f.o.b. cars, San Francisco/Monterey.

TANKAGE.—Unground, wet, domestic, $2.65 and 10c. per unit-ton, f.o.b. plant, Northern California. Dry, ground, 50 percent, $35 per ton, f.o.b. cars, South San Francisco. Argentine, 50 percent, $33 per ton, ex-dock, August shipment. Unground, domestic, dry, 47½c. per unit of protein, f.o.b. cars, South San Francisco.

Price Changes

Advanced

Cottonseed meal, $2.25 per ton, Southeast mills.

Reduced

Castor pomace, dom., $1 per ton, works.

Fish scrap, menhaden, bulk, Chesapeake Bay, futures, 15c. per unit.

Tankage, feeding, ungrd., 10c. per unit, basis N.Y.

fertilizer, grd., 10c. per unit, basis N.Y.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
67.0	67.0	67.0	66.3

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

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FERROCYANIDE
FORMATE
GLYCEROPHOSPHATE
HYDRIODIDE
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AGAR—50 bls, Japan

ALBUMEN, DUCK—56 cs, Central Hanover Bank Trust Co, Shanghai
56 cs, Chase National Bank, Shanghai
15 cs, Kobe
16 cs, Kobe

ALOE—10 cs, W E Martin, Africa
38 cs, Selma Mercantile Corp, Curacao
22 cs, Selma Mercantile Corp, Curacao
90 cs, S B Penick & Co, Africa
44 cs, J L Hopkins & Co, Africa
LEAVES—1 bl, S B Penick & Co, Kingston

ANNATTO SEED—310 bgs, W R Grace & Co, Guayaquil
19 bgs, Kingston

ANTIMONY ORE—588 bgs, New York & Cuba Mail S S Co, Tampico
226 bgs, American Smelting & Refining Co, Tampico
515 bgs, New York & Cuba Mail S S Co, Tampico
456 bgs, New York & Cuba Mail S S Co, Tampico
300 bgs, New York & Cuba Mail S S Co, Tampico
450 bgs, New York & Cuba Mail S S Co, Tampico
367 bgs, New York & Cuba Mail S S Co, Vera Cruz
313 bgs, New York & Cuba Mail S S Co, Vera Cruz

ARSENIC—606 bbls, American Smelting & Refining Co, Tampico
WHITE—500 cs, National City Bank, Kobe

ASPHALT—294 bgs, Allied & Asphalt & Mineral Co, Havana

BABASSU KERNELS — 1,666 bgs, General Food Corp, Parnahyba
3,332 bgs, General Food Corp, Parnahyba

BISMUTH ORE—29 bgs, Metal Traders, Mallando
REFINED—175 bxs, Cerro de Pasco Copper Corp, Callao

BOLDO LEAVES— 42 bls, W R Grace & Co, Valparaiso

BONES—3,048 bgs, Buenos Aires
508 bgs, Buenos Aires

BRISTLES—10 cs, H E Botzow, Inc, Tientsin
30 cs, Shanghai
7 cs, Shanghai

CALCIUM SILICO—170 cs, Philadelphia National Bank, Bordeaux

CANARY SEED—164 bgs, Hinton & Co, Buenos Aires
500 bgs, Buenos Aires

CARDAMOM—111 tins, P H Petry & Co, Puerto Barrios
5 dms, W E Martin, Puerto Barrios
28 cs, W E Martin, Puerto Barrios

CASSIA—200 bls, Arnhold & Co, Hongkong
300 bls, Arnhold & Co, Hongkong

BUDS—100 bgs, S B Penick & Co, Hongkong
50 bgs, Knickerbocker Mills Co, Hongkong

ROLLS—100 bls, Otto Gerdau Co, Hongkong
100 bls, Durkee Famous Food, Hongkong
100 bls, B H Old & Co, Hongkong
50 bls, Durkee Famous Food, Hongkong
50 bls, Wood & Selick, Hongkong

CASTOR BEANS—1,700 bgs, Baker Castor Oil Co, Bahia
2,595 bgs, Bahia
5,000 bgs, Baker Castor Oil Co, Pernambuco
266 bgs, Struller & Wood, Port au Prince
5,100 bgs, Pernambuco
3,333 bgs, Pernambuco
3,400 bgs, Guaranty Trust Co, Bahia
1,695 bgs, Guaranty Trust Co, Bahia

CHAMOIS — 2 cs, American Express Co, Europe

CHROME ORE—999 tons, E J Lavino & Co, Africa
606 tons, W H Mueller & Co, Africa
4,000 tons, E J Lavino & Co, Africa

CINNAMON—300 bls, C T Wilson & Co, Colombo
150 bls, Volkart Bros, Colombo
250 bls, I Harrison & Whitney, Colombo
55 bls, Duncan Fox & Co, Colombo
165 bls, Volkart Bros, Colombo
10 bls, Dodwell & Co, Colombo
100 bls, Volkart Bros, Colombo

COCA LEAVES—112 bls, Maywood Chem Works, Salaverry

COCOA BEANS—1,600 bgs, Curacao Trading Co, Trujillo
1,000 bgs, Wessel, Kulenkampf & Co, Trujillo
500 bgs, Wood & Selick, Port Spain
250 bgs, Machado & Co, Port Spain
250 bgs, Middleton & Co, Port Spain
500 bgs, Bank of Manhattan, Port Spain
500 bgs, Middleton & Co, Port Spain
250 bgs, Wood & Selick, Port Spain
250 bgs, Middleton & Co, Port Spain
650 bgs, Antoni & Co, Carupano
600 bgs, Carupano
1 bg, W R Grace & Co, Port Spain
1 bg, Machado & Co, Port Spain
69 bgs, Mecke & Co, Maracaibo
58 bgs, La Guaira
442 bgs, La Guaira
27 bgs, Mecke & Co, Maracaibo
250 bgs, Wood & Selick, Guayaquil
250 bgs, W R Grace & Co, Guayaquil
250 bgs, Wood & Selick, Guayaquil
250 bgs, National City Bank, Guayaquil
125 bgs, Guayaquil
1,000 bgs, Scholtz & Co, La Guaira
125 bgs, H E Botzow & Co, Puerto Cabello
500 bgs, Meyer & Co, Puerto Cabello
2,000 bgs, Wood & Selick, Bahia
2,000 bgs, Wessel, Kulenkampf & Co, Bahia
2,000 bgs, Kennedy, Butcher & Co, Bahia
154 bgs, Lopez & Mangual, Maracaibo
85 bgs, Wessel, Duval & Co, Cristobal
119 bgs, Struller & Wood, Cristobal
307 bgs, Chase Natl Bank, Manaos
500 bgs, Middleton & Co, Trinidad
500 bgs, Wood & Selick, Trinidad

COCONUT, DESIC—140 cs, Dodwell & Co, Colombo
571 cs, General Food Corp, Manila
3,393 cs, General Food Corp, Manila
385 cs, General Food Corp, Manila

COCONUTS—1,200 bgs, I L Toledano Corp, Cristobal

COPAIBA BALSAM—60 cs, Kachurin Drug Co, Manaos
82 cs, Fritzsche Bros, Manaos
71 cs, Magnus, Mabee & Reynard, Manaos

CORIANDER SEED — 100 bgs, Superintendence Co, Casablanca
500 bgs, Otto Gerdau Co, Casablanca
400 bgs, E E Marks & Co, Casablanca
1,416 bgs, J S Toledano & J M Pinto, Casablanca
120 bgs, Van Norden & Archibald, Casablanca
100 bgs, Knickerbocker Mills Co, Casablanca
100 bgs, P H Petry Co, Casablanca
72 bgs, Knickerbocker Mills Co, Casablanca
200 bgs, R J Prentiss & Co, Casablanca
150 bgs, R H Elmaleh Corp, Casablanca
133 bgs, R J Prentiss & Co, Casablanca
172 bgs, R H Elmaleh Corp, Casablanca

CORK—10 bgs, Hinrichs & Pearsall, Lisbon
36 bgs, Mundet Cork Corp, Lisbon
10 bgs, United Fruit Co, Lisbon
22 bgs, Grace Line, Lisbon
10 bls, Titan Shipping Co, Lisbon

SHAVINGS—1,150 bls, Lisbon

VIRGIN—391 bls, Armstrong Cork Co, Lisbon
50 bls, Lisbon

WASTE—2,116 bls, Chase National Bank, Lisbon
1,467 bls, Armstrong Cork Co, Lisbon
186 bls, Cork Trading Co, Lisbon
414 bls, Chase National Bank, Lisbon
615 bls, Lisbon
802 bls, Lisbon
92 bls, Pablo Calvet & Co, Lisbon

WOOD—150 bls, Pablo Calvet & Co, Lisbon
163 bls, Armstrong Cork Co, Lisbon
1,193 bls, H E Botzow & Co, Lisbon
597 bls, Chase National Bank, Lisbon
193 bls, Cork Trading Co, Lisbon
48 bls, Fred Marschall, Lisbon
340 bls, Lisbon
3,083 bls, National Bank of N Y, Lisbon
156 bls, H Suhl, Lisbon
715 bls, Lisbon
300 bls, W Lazarus, Lisbon
148 bls, Lisbon

CORUNDUM—272 bgs, Watson Geach & Co, Africa

COTTONSEED CAKE — 6,680 bgs, Bunge North American Grain Co, Pernambuco

CUMIN SEED—100 bgs, Otto Gerdau Co, Casablanca
350 bgs, J S Toledano & J M Pinto, Casablanca
94 bgs, Superintendence Co, Casablanca
135 bgs, R H Elmaleh Corp, Casablanca

ERGOT—22 dms, Lisbon
40 cs, S B Penick & Co, Lisbon
40 cs, S Stern Stiner & Co, Lisbon
22 dms, S B Penick & Co, Lisbon

FENUGREEK SEED—200 bgs, Van Norden & Archibald, Casablanca
300 bgs, Superintendence Co, Casablanca
30 bgs, Knickerbocker Mills Co, Casablanca
140 bgs, W M Allison & Co, Casablanca
150 bgs, R J Prentiss & Co, Casablanca
100 bgs, Van Norden & Archibald, Casablanca
200 bgs, Superintendence Co, Casablanca
536 bgs, J S Toledano & J M Pinto, Casablanca

FISH LIVERS—217 tins, Yokohama
183 tins, Japan

FLAXSEED—164 bgs, S B Penick & Co, Buenos Aires

FLUE DUST—103 bgs, Buenos Aires

FLUORSPAR—360 bgs, A W Fenton & Co, Tampico
105 tons, Tampico

GINGER ROOT—342 bgs, Barclay Bank, Kingston

GLANDS—104 cs, Tupman, Thurlow & Co, Santos

BEEF—2 cs, Universal Transcontinental Foreign Service, Montevideo

GLUE—100 bgs, W R Grace & Co, San Antonio

GLYCERIN—57 dms, Colgate-Palmolive-Peet Co, Casablanca
67 dms, Colgate-Palmolive-Peet Co, Casablanca

GRAPHITE—700 bgs, Mitsui & Co, Husan

GREASE, WOOL—22 bbls, Melbourne

GUM, CHICLE—48 bls, Chicle Development Co, Curacao

COPAL—115 bgs, Stroock & Wittenberg, Manila
27 bgs, O G Innes Corp, Manila
67 bgs, S Winterbourne & Co, Manila
67 bgs, Stroock & Wittenberg, Manila
17 bgs, Philip M Waterman, Manila
142 bgs, Stroock & Wittenberg, Manila
27 bgs, O G Innes Corp, Manila
115 bgs, Stroock & Wittenberg, Manila
175 bgs, Michael Fried, Manila

DAMMAR—50 cs, G W S Patterson & Co, Batavia
100 cs, S Winterbourne & Co, Batavia
100 cs, O G Innes & Co, Batavia

GUAIAC—8 cs, Schutte & Focke, Azua

KAURI—130 bgs, Stroock & Wittenberg, Auckland
158 bgs, S Winterbourne & Co, Auckland

SANDARAC—20 bbls, G H Lincks, Casablanca
55 bbls, F W Mead & Co, Casablanca
15 bbls, American Cyanamid & Chem Co, Casablanca

YACCA—334 bgs, S Winterbourne & Co, Adelaide

HOREHOUND LEAVES—118 bls, Kachurin Drug Co, Casablanca
85 bls, S B Penick & Co, Casablanca

IRON OXIDE—100 bbls, Reichard Coulston, Malaga
65 bbls, Panama Pacific Line, Malaga
78 bbls, Reichard Coulston, Malaga
228 bbls, C J Osborn & Co, Malaga
214 bbls, Reichard Coulston, Malaga

KOLA NUTS—38 bgs, Mincing Trading Corp, Kingston
24 bgs, Peek & Velsor, Kingston

LIVER MEAL—260 bgs, Swift & Co, Brisbane
672 bgs, Littleton

LUPIN BEANS—306 bgs, L Cohen, Buenos Aires

MANIOC FLOUR—100 bgs, Rutger, Bleecker & Co, Rio Janeiro
60 bgs, Overseas Credit Corp, Rio Janeiro

MATICO LEAVES—88 bls, Murbas Trading Co, Arica

MEDICINAL PREPS—2 cs, Wedemann & Godknecht, Bordeaux
50 cs, Mercantile Import Corp, Lisbon
3 cs, Sydney

MICA—20 cs, American Metal Works, Mallando
20 cs, Buenos Aires
35 cs, J Koppel, Buenos Aires
118 cs, J D Pitts & Co, Rio Janeiro
13 cs, S Cussel, Rio Janeiro
14 cs, William Brand, Rio Janeiro
3 cs, K Amano, Rio Janeiro
25 cs, A O Schoonmaker Insulation Co, Rio Janeiro
38 cs, Ford Radio & Mica Corp, Rio Janeiro

MINERAL SAND—3,435 bgs, Orefractive Ltd, Brisbane

MOLASSES—172,000 gals, American Molasses Co, Havana

NUTMEGS—49 bgs, Sino Java Handel, Macassar

OIL, BLUE FIN TUNA LIVER—12 dms, Consumers Import Co, Yokohama

CASTOR—5 dms, Loose Chem Co, Santos

CHINAWOOD—450 long tons, Universal Trading Corp, Hongkong
226 long tons, Spencer Kellogg & Sons, Hongkong
320 long tons, Universal Trading Corp, Hongkong
450 long tons, Universal Trading Corp, Hongkong
107 dms, S L Jones & Co, Shanghai
106 dms, I R Boody & Co, Hongkong

CITRONELLA—5 dms, Stein, Hall & Co, Sourabaya

COCONUT—22 cyls, Volkart Bros, Colombo
634 tons, Spencer Kellogg & Sons, Manila
634 tons, Spencer Kellogg & Sons, Manali

COD—50 dms, Canada
32 cks, Grand Banks
50 dms, Canada

CODLIVER—56 dms, England

CRUDE—4 dms, Socony Vacuum Oil Co, Guanta

ESSENTIAL—45 dms, H A Sothern, Puerto Barrios
1 cs, R F Downing & Co, Bordeaux
7 cs, Overton & Co, Bordeaux
1 cs, American Express Co, Bordeaux
1 cs, Rohner, Gehrig & Co, Bordeaux

EUCALYPTUS—11 dms, Commi Bank of Australia, Melbourne
22 dms, Magnus, Mabee & Reynard, Melbourne
10 dms, MacCoy Sales Co, Melbourne

FISH LIVER—2 dms, Consumers Import Co, Yokohama

FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao

GERANIUM—1 dm, L A Champon, Casablanca

MACKEREL LIVER—3 dms, Consumers Import Co, Yokohama

OITICICA—126 dms, Bank of Manhattan, Parnahyba
131 dms, Irving Trust Co, Parnahyba
101 dms, Bank of Manhattan, Parnahyba

OLIVE—50 cs, A Fantis, Mitylene
15 dms, Kounelias & Son, Mitylene
50 dms, A Makris & Bro, Mitylene
300 cs, A Fantis, Mitylene
100 cs, Economon & Ritsos, Mitylene
300 cs, A Makris & Bros, Mitylene
50 dms, W A Taylor & Co, Mitylene
50 dms, R H Elmaleh, Mitylene
50 dms, American Ionian Corp, Mitylene
125 dms, A Fantis, Mitylene
50 dms, Economon & Ritsos, Mitylene
100 dms, A Fantis, Mitylene
75 dms, American Ionian Corp, Mitylene
100 dms, N Maffia & Co, Mitylene
50 dms, D F De Bernardi, Mitylene
100 dms, Strohmeyer & Arpe Co, Mitylene
25 dms, A Fiore & Co, Mitylene
200 dms, Pastene & Co, Mitylene
100 dms, R H Elmaleh, Mitylene
50 dms, Pastene & Co, Mitylene
50 dms, R H Elmaleh, Mitylene
100 dms, Pastene & Co, Mitylene
100 dms, J Ossola & Co, Mitylene
100 dms, J C Gabriel, Mitylene
200 dms, Mawer, Gulden, Annis, Inc, Mitylene
25 dms, J Ossola & Co, Mitylene
50 dms, J S Toledano & J M Pinto, Mitylene
75 dms, J Ossola & Co, Mitylene
100 dms, Gus Sclafani, Mitylene
75 dms, W A Taylor & Co, Mitylene
25 dms, Cimino Import Co, Mitylene
100 dms, Bonoli Packing Co, Mitylene
50 dms, Smith-Weihmann Co, Mitylene
25 dms, J R Tolibia, Mitylene
100 dms, J Sclafani, Mitylene
100 dms, Pastene & Co, Mitylene
25 dms, T Marcello, Mitylene
50 dms, Costa & Co, Mitylene
100 dms, D H Importing & Export Co, Mitylene
100 dms, J C Gabriel, Mitylene
25 dms, B Spiliadis & Co, Mitylene
50 dms, A Markris & Bros, Mitylene
100 dms, Nicola Maffia, Mitylene
50 dms, J D Nicolaou, Mitylene
100 dms, N Cory & Co, Yera
25 dms, S A Stone, Yera
50 dms, A N Cory & Co, Yera
75 dms, W A Taylor & Co, Yera
25 dms, A N Cory & Co, Yera
200 dms, J S Toledano & J M Pinto, Casablanca

OLIVE SULPHUR — 199 tons, Leghorn Trading Co, Pamphylla
207 tons, Leghorn Trading Co, Yera
200 tons, Leghorn Trading Co, Polychnito
80,000 kilos, Leghorn Trading Co, Zante
80,000 kilos, Leghorn Trading Co, Zante

ORANGE—2 dms, Ungerer & Co, Port au Prince
20 cs, Barclay Bank, Kingston

PETITGRAIN—37 cs, Guaranty Trust Co, Buenos Aires
30 cs, National City Bank, Buenos Aires
25 cs, Buenos Aires

RAPESEED — 269 dms, Mitsubishi Shoji Kaisha, Buenos Aires

ROSEMARY—31 dms, Malaga

ROSEWOOD—62 dms, Givaudan-Delawanna, Manaos

SKIPJACK LIVER—5 dms, Consumers Import Co, Yokohama

SWORDFISH LIVER—3 dms, Consumers Import Co, Yokohama

TEASEED—100 dms, E M Sergeant Pulp & Chem Co, Shanghai

ORANGE PEEL—86 bgs, Peek & Velsor, Cape Haitian

PAPRIKA—775 bgs, Lisbon
100 bgs, Mercantile Import Corp, Lisbon
1,060 bgs, Lisbon
155 bgs, Lisbon
1,396 bgs, Casablanca
90 bgs, United Stores, Casablanca

PIMENTO—4 bgs, W E Martin, Puerto Barrios
50 bgs, A G Dunn, Kingston
50 bgs, Kingston
72 bgs, D Steengrafe, Kingston
25 bgs, Barclay Bank, Kingston
75 bgs, E I Leveen, Kingston

QUEBRACHO EXTRACT—350 bgs, International Product Corp, Buenos Aires
500 bgs, International Product Corp, Buenos Aires
1,350 bgs, Tannin Corp, Buenos Aires
19 bgs, Advance Solvents & Chem Co, Rio Janeiro

QUICKSILVER—49 flasks, Chase Natl Bank, Tampico
34 flasks, Chase Natl Bank, Tampico
25 bgs, Chase Natl Bank, Vera Cruz

ROSE LEAVES—120 bgs, Peek & Velsor, Casablanca
146 bgs, J S Toledano & J M Pinto, Casablanca

SAPONIN—25 cs, W R Grace & Co, Valparaiso

SAFFRON FLOWERS—5 pkgs, Vera Cruz
1 cs, Thomas Ivan Rosenberg, Lisbon

SAGO FLOUR—358 bgs, Stein, Hall & Co, Singapore
400 bgs, W R Grace & Co, Singapore
564 bgs, Stein, Hall & Co, Singapore

SAND—100 bgs, Isthinian Metal Co, Puerto Limon

SARSAPARILLA ROOT—147 bls, New York & Cuba Mail S S Co, Vera Cruz
144 bls, New York & Cuba Mail S S Co, Vera Cruz
16 bls, New York & Cuba Mail S S Co, Vera Cruz

SCHEELITE—107 bgs, Chase Natl Bank, Buenos Aires
255 bgs, Buenos Aires
60 bgs, David Taylor & Co, Africa
307 bgs, Buenos Aires

SESAME SEED—109 bgs, Louis Cohen, Shanghai

SILVER SULPHIDE—136 bgs, J H Schroeder Banking Corp, Antofagasta

SOAP BARK—192 bls, W R Grace & Co, San Antonio
119 bls, W R Grace & Co, San Antonio
281 bls, W R Grace & Co, Valparaiso

SOAP—7 cs, Overton & Co, Bordeaux

SPONGES—5 bls, Rodern Sponge & Chamois Co, Nassau

REFUSE—132 bls, Johns Manville Corp, Havana
59 bls, Johns Manville Corp, Havana

SUNFLOWER SEED—380 bgs, A G Dunn, Buenos Aires
100 bgs, L Cohen, Buenos Aires

TALC—200 bgs, Whittaker, Clark & Daniels, Bordeaux
150 bgs, L A Salomon & Bros, Bordeaux
150 bgs, C B Chrystal & Co, Bordeaux
300 bgs, Whittaker, Clark & Daniels, Bordeaux
1,600 bgs, Whittaker, Clark & Daniels, Bordeaux
200 bgs, C B Chrystal & Co, Bordeaux
1,150 bgs, Whittaker, Clark & Daniels, Bordeaux
100 bgs, New York & Cuba Mail S S Co, Bordeaux
900 bgs, Whittaker, Clark & Daniels, Bordeaux
1,600 bgs, Moore & Munger, Bordeaux

TANKAGE—400 bgs, Sydney
560 bgs, Littleton
500 bgs, Tupman, Thurlow & Co, Auckland
18 bgs, Rich Product Co, Buenos Aires
2,387 bgs, Tupman, Thurlow & Co, Buenos Aires
508 bgs, Tupman, Thurlow & Co, Buenos Aires
1,016 bgs, Tupman, Thurlow & Co, Buenos Aires
2,032 bgs, Buenos Aires
1,200 bgs, Buenos Aires
2,032 bgs, Buenos Aires

TAPIOCA FLOUR — 1,103 bgs, American Cyanamid & Chem Co, Pasoeroean
1,103 bgs, American Cyanamid & Chem Co, Pasoeroean
144 bgs, American Cyanamid & Chem Co, Pasoeroean
522 bgs, American Cyanamid & Chem Co, Pasoeroean
550 bgs, G M Rueff, Batavia

TARA—171 bgs, W R Grace & Co, Salaverry

TARTAR—247 bgs, Lisbon
221 bgs, Standard Brands, Lisbon
191 bgs, Standard Brands, Lisbon
421 bgs, Charles Pfizer & Co, Lisbon
245 bgs, Charles Pfizer & Co, Lisbon
246 bgs, Standard Brands, Lisbon

TIMBO ROOT—300 bls, Hammond Paint & Chem Co, Manaos
90 pkgs, Para

TIN BARRILLO—2,374 bgs, Bolivia Inter-Mineral Corp, Arica
387 bgs, W R Grace & Co, Mallando

TONKA BEANS — 5 cks, Machado & Co, Puerto Spain
1 bx, L Coll Pardo, Puerto Spain
18 bbls, Para

TUCUM KERNELS—923 bgs, General Food Corp, Parnahyba

TUNA LIVERS—11 bbls, National City Bank, Lisbon

VANADIUM—3,775 bgs, Vanadium Corp of America, Callao

VALONIA EXTRACT—305 bgs, International Product Corp, Yera
305 bgs, International Product Corp, Yera

VANILLA BEANS—15 cs, New York & Cuba Mail S S Co, Vera Cruz
6 cs, Thurston & Braidich, Vera Cruz
76 cs, New York & Cuba Mail S S Co, Vera Cruz
35 cs, Dodge & Olcott Co, Vera Cruz
12 cs, F Huber & Co, Vera Cruz
28 cs, R Oppenheimer, Bordeaux
34 cs, R Oppenheimer, Bordeaux

WAX, BEES — 4 bls, Lunham & Reeves, Eton Peru
28 bgs, Van Oppen & Co, Tampico
106 bgs, D A Zorrilla & Co, Tampico
42 bgs, Will Baumer Candle Co, Havana
4 bgs, Schutte & Focke, Azua
35 bgs, W R Grace & Co, Valparaiso
56 bgs, W R Grace & Co, Valparaiso
6 bgs, Salvador Coffee, Cristobal
111 bgs, F W Mead & Co, Casablanca

CANDELILLA—1,266 bgs, M Argueso & Co, Tampico

CARNAUBA—63 bgs, Chase National Bank, Parnahyba
188 bgs, Strohmeyer & Arpe Co, Parnahyba
63 bgs, Brown Bros-Harrimann Co, Parnahyba
125 bgs, Chase National Bank, Parnahyba
63 bgs, Bank of London-South America, Parnahyba
376 bgs, Chase National Bank, Parnahyba
35 bgs, I R Boody & Co, Bahia
24 bgs, I R Boody & Co, Bahia

WAX, CURICURY—60 bgs, Dunlap, Alpers & Mott, Rio de Janeiro
100 bgs, J Henry Schroeder Banking Corp, Bahia
34 bgs, Innis, Speiden & Co, Bahia
1 bg, A Hurst & Co, Bahia
WINE LEES—558 bgs, Lisbon
428 bgs, Standard Brands, Lisbon
397 bgs, Lisbon
469 bgs, Lisbon
1,112 bgs, Charles Pfizer & Co, Lisbon
WOLFRAM ORE—1,027 bgs, W R Grace & Co, Mallando
68 bgs, Chase National Bank, Callao
99 bgs, Chase National Bank, Buenos Aires
11 bbls, Brown Bros-Harrimann Co, Lisbon
50 bgs, Brown Bros-Harrimann Co, Lisbon
40 bbls, Brown Bros-Harrimann Co, Lisbon
200 bgs, Brown Bros-Harrimann Co, Lisbon
205 bgs, Buenos Aires
ZIRCON SAND—1,000 bgs, Bank of South Wales, Sydney

New York Transit Imports

CASEIN—200 bgs, Bank of Adelaide, Melbourne, Montreal
133 bgs, Wellington, Montreal
300 bgs, Wellington, Halifax
CASSIA ROLLS—100 bls, J H Forbes Tea & Coffee Co, Hongkong, St Louis
300 bls, H J Heinz Co, Hongkong, Pittsburgh
COCONUT, DESIC—100 cs, Cooperative Coconut Prod Co, Manila, New Orleans
100 cs, Cooperative Coconut Prod Co, Manila, New Orleans
COLORS—2 cs, Goodyear Tire & Rubber Export Co, Lisbon, Akron
ERGOT—60 cs, Eli Lilly & Co, Lisbon, Indianapolis
GLANDS, BEEF—3 tcs, Parke, Davis & Co, Montevideo, Detroit
3 tcs, Parke, Davis & Co, Buenos Aires, Detroit
6 tcs, Parke, Davis & Co, Santos, Detroit
GUM, COPAL—57 bgs, F C Darling, Manila, Port Newark
KAURI—300 bgs, Dominion Oilcloth & Linoleum Co, Auckland, Montreal
29 cs, Sherwin Williams Co, Auckland, Montreal
300 bgs, Dominion Oilcloth & Linoleum Co, Auckland, Montreal
19 cs, P N Soden & Co, Auckland, Montreal
OIL, CHINAWOOD—325 tons, National City Bank, Hongkong, Edgewater
COTTONSEED, REFD—500 dms, Santos, Montreal
COCONUT—345 long tons, Pacific Vegetable Oil Corp, Cebu, San Francisco
EUCALYPTUS—1 dm, C A Smith & Co, Melbourne, Montreal
18 cs, C A Smith & Co, Melbourne, Montreal
TALLOW—77 cks, Lever Bros, Brisbane, Montreal
23 dms, Lever Bros, Brisbane, Montreal
ZIRCON SAND—1,000 bgs, Bank of South Wales, Sydney, Cleveland

Baltimore Imports

BONEMEAL—2,000 bgs, Tsingtao
CHROME ORE—4,064 tons, Mersin
IRON ORE—6,800 tons, Bethlehem Steel Co, Rio de Janeiro
10,700 tons, Bethlehem Steel Co, Cruz Grande
22,700 tons, Bethlehem Steel Co, Cruz Grande
21,800 tons, Bethlehem Steel Co, Cruz Grande
MAGNESITE ORE—61,000 bgs, Dairen
MANGANESE ORE—1,000 tons, Calcutta
8,000 tons, Poti
2,500 tons, Philippine Islands
MOLASSES—682,528 gls, Cuba Distilling Co, Macoris
721,696 gls, Cuba Distilling Co, Guanica
1,423,931 gls, Havana
MYROBALANS—1,200 pkts, order, Exbrook, Calcutta
WAX, BEES—537 bgs, Rio de Janeiro

Boston Imports

CASEIN—134 bgs, Tupman, Thurlow & Co, Buenos Aires
COCOA BEANS—500 bgs, W R Grace & Co, Guayaquil
250 bgs, W R Grace & Co, Guayaquil
COTTONSEED MEAL—3,360 bgs, Humphrey Godwin Co, Para
2,240 bgs, Humphrey Godwin Co, Para
4,064 bgs, Humphrey Godwin Co, Para
OIL, COCONUT—130 tons, Philippine Refining Corp, Manila
TAPIOCA FLOUR—1,040 bgs, Balfour, Guthrie & Co, Pamanoekan
250 bgs, Chase National Bank, Cheribon
2,757 bgs, Minute Tapioca Co, Pasoeroean
552 bgs, Arnold Hoffman Co, Pasoeroean
250 bgs, Chase National Bank, Cheribon
1,040 bgs, Balfour, Guthrie & Co, Pamanoekan

Houston Imports

COCONUT, DESIC—200 cs, Cooperative Coconut Prod Co, Manila
300 cs, Cooperative Coconut Prod Co, Manila
TAPIOCA FLOUR—250 bgs, Collins & Gissel, Cheribon

Jacksonville Imports

TANKAGE—907 bgs, Armour & Co, Santos
454 bgs, Armour & Co, Santos
907 bgs, Armour & Co, Santos

Los Angeles Imports

AMMONIA, PHOSPHATE—3,800 bgs, 378,560 lbs, Trail
SULPHATE—1,900 bgs, 190,400 lbs, Trail
BRISTLES—180 lbs, Valparaiso
COCONUT, DESIC—21,120 lbs, Manila
360 cs, 46,800 lbs, Zamboanga
1,633 pkgs, 165,300 lbs, Manila
COPRA MEAL—17,240 lbs, 1,724,000 lbs, Manila
19,600 lbs, 1,960,000 lbs, Manila
COTTON LINTERS — 178 bls, 92,740 lbs, Torreon
150 bls, 82,660 lbs, Guadalajara
FISH LIVERS—1,825 tins, 73,000 lbs, Yokohama
360 tins, 12,000 lbs, Kobe
543 tins, 21,720 lbs, Japan
1,704 tins, 68,160 lbs, Yokohama
182 tins, 7,280 lbs, Yokohama
477 tins, 19,080 lbs, Kobe
2,449 tins, 97,760 lbs, Japan
404 tins, 16,160 lbs, Japan
40 lbs, Japan
FLEASEED—65 bgs, 10,920 lbs, Calcutta
GINGER ROOT—1,220 lbs, Hongkong
HERBS, POWD—220 lbs, Turin
INCENSE—200 lbs, Nagoya
LIME, PROCESSED—1,650 bgs, 99,820 lbs, Vancouver
NUTMEGS—20 bgs, 4,000 lbs, Port Spain
OIL, CHINAWOOD—15,000 lbs, Manila
OLIVE—100 dms, 44,000 lbs, Portugal
99 dms, 43,660 lbs, Athens
PALM—1,706,000 lbs, Medan
PEANUTS—580 lbs, Hongkong
ORANGE PEEL—2,250 lbs, Malaga
PEANUT MEAL — 1,000 bgs, 100,000 lbs, Tsingtao
PEANUTS, SHELLED — 1,050 bgs, 105,000 lbs, Manila
600 bgs, 60,000 lbs, Manila
PERFUME—10 lbs, London
SOAP, TOILET—10 lbs, London
TIMBO ROOT—11,250 lbs, Para
TOILET PREPS—20 lbs, London

Mobile Imports

TAPIOCA FLOUR—242 bgs, Strachan Shipping Co, Cheribon

New Orleans Exports

ACID, STEARIC—22 tons, Havana
ALUMINA SULPHATE — 312 tons, Barranquilla
ASPHALT—432 tons, Corinto
BLACK, CARBON—8 tons, Vera Cruz
LARD—70 tons, Havana; 36 tons, Tampico; 26 tons, Vera Cruz
OIL, DIESEL—34½ tons, Puerto Cabezas; 102 tons, Ceiba
FUEL—46 tons, Golfito; 168 tons, Quepos; 410 tons, Ceiba
LUBRICATING—13 tons, Cristobal
PARAFFIN — 12 tons, Cristobal; 22 tons, West Coast South America
PINETAR—31 tons, Vera Cruz
QUEBRACHO EXTRACT—60 tons, Havana
ROSIN—24 tons, Havana; 32 tons, Cartagena
SALT—85 tons, Havana
BLOCK—2 tons, Ceiba
SODA, CAUSTIC—36 tons, Vera Cruz
STEARIN—33 tons, Vera Cruz

Newport News Imports

CHROME ORE—4,006 tons, E J Lavino & Co, Africa

Norfolk Imports

BLOOD, DRIED—1,815 bgs, Armour & Co, Santos
1,815 bgs, Armour & Co, Santos
1,815 bgs, Armour & Co, Santos
BONE RESIDUE—2,552 bgs, Santos
TANKAGE—3,629 bgs, Norfolk Tallow Co, Rio Grande
3,000 bgs, Swift Co, Rio Grande
432 bgs, Santos
1,000 bgs, Santos
TAPIOCA FLOUR—331 bgs, Morningstar Nicol, Pasoeroean
544 bgs, Virginia Forwarding Co, Cheribon
606 bgs, Virginia Forwarding Co, Sourabaya
1,090 bgs, Virginia Forwarding Co, Cheribon
540 bgs, Virginia Forwarding Co, Cheribon

Philadelphia Imports

BLOOD, DRIED—726 bgs, Buenos Aires
BONES—1,016 bgs, Santos
BRISTLES—50 cs Philadelphia National Bank, Shanghai
CASSIA—672 bls, R T French Co, Hongkong
COCONUTS—87 bgs, Edward Freeman, Inc, Mayaguez
CORK—10,425 bls, Armstrong Cork Co, Lisbon; 21,646 bls, Armstrong Cork Co, Lisbon; 6,240 bls, Armstrong Cork Co, Algiers
COCOA BEANS—2,000 bgs, Bahia; 2,000 bgs, Guaranty Trust Co of New York; Bahia; 2,000 bgs, Grace National Bank of New York, Bahia
COTTONSEED MEAL—4,000 bgs, West Texas Cottonseed Oil Co, Santos; 5,568 bgs, Santos
FISH LIVERS—183 tins, Chase National Bank, Yokohama
MAGNESITE ORE—2,840 tons, Dairen
MOLASSES—1,402,096 gals, Publicker Alcohol Co, Sagua and Pastelillo
OIL TEASEED—100 dms, Hongkong; 50 dms, Philadelphia National Bank, Shanghai
PETROLEUM, CRUDE—80,653 bbls, Gulf Oil Corp, Puerto la Cruz; 89,979 bbls, Gulf Oil Corp, Puerto la Cruz; 111,263 bbls, Atlantic Refining Co, Las Piedras
RED OXIDE—1,240 bbls, F B Vandegrift & Co, Malaga
SHELLAC—250 bgs, Mac Lee Co, Calcutta
TITANIUM ORE—925 bgs, Santos
ZIRCON ORE—500 bgs, Philadelphia National Bank, Santos; 1,200 bgs, Santos

Wilmington Imports

BLOOD, DRIED—3,974 bgs, H J Baker & Bros, Buenos Aires
2,000 bgs, Buenos Aires
4,000 bgs, Wessel, Duval & Co, Buenos Aires
17,037 bgs, Ashcraft, Wilkinson & Co, Buenos Aires
9,651 bgs, Buenos Aires

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended July 24

Apricot pits, 80 bags; restricted use.
Coriander seed, 1,350 bags; filthy.
Cumin seed, 320 bags; filthy.
Hair dye, 1 case; no caution statement.
Henbane leaves, 32 bales; not U.S.P.
Nutmegs, 53 bags; restricted use.
Sesame seed, 267 bags; filthy.
Medicinal preparation, 1 parcel; new drug.

Boston

Week Ended July 24

Cod oil, 9 drums; non-destearinated and not so labeled.
Mace, 20 cases; insect infested.

Denver

Week Ended July 18

Chillies, 20 cases; short weight.
Spice powder, 240 cases; short weight and ingredients not declared.

Philadelphia

Week Ended July 24

Medicinal preparation, 1 package; no quantity of contents statement.
Sesame seed, 300 bags; insect infested.

Exports from U.S. Ports

Los Angeles Exports

ACID, ACETIC, GLACIAL—6,750 lbs, Batavia
BORIC—20 bgs, 2,240 lbs, Ras Tanura; 100 bgs, 11,200 lbs, Madras
ASPHALT—1 bbl, 370 lbs, Santa Rosalia
SOLID—430 drms, 208,600 lbs, Bombay
BLEACHING EARTH—2 bgs, 100 lbs, Puerto Casello
BLUE VITRIOL—240,000 lbs, Vancouver
BORAX—20 bgs, 2,240 lbs, Bombay; 400 pkgs, 44,800 lbs, Madras
CLAY, FILTER—4,400 sx, 224,000 lbs, Balik Papan
CLEANER—280 lbs, Hong Kong
DIATOMACEOUS EARTH—560 bgs, 56,000 lbs, Bombay; 1,100 bgs, 110,000 lbs, Bombay; 302 bgs, 30,200 lbs, Jerusalem
GAS—15 cyls, 980 lbs, Cebu
GASOLINE—40 drms, Santa Rosalia; 10,396 lbs, Yokahama
GUM, DAMMAR—410 lbs., Victoria
INSECTICIDE—100 lbs, Vancouver
IODINE, CRYST—300 lbs, Bombay
KEROSENE—4 drms, Santa Rosalia
LACQUER—15 cs, 1,040 lbs, Bombay
THINNER—4,100 lbs, Bombay
LEAD, RED—100 lbs, Santa Rosalia
LIME, HYDRATED—530 lbs, Baguio
MEDICINAL PREPS—240 lbs, Ras Tanura
OIL, DIESEL—4 drms, Santa Ros; 66,402 lbs, Tsurumi; 9,242 bbls, Valparaiso; 2,000 bbls, Chila; 7,001 bbls, Taltal; 19,869 bbls Bolivia
FUEL—57,377 bbls, Tsurumi; 5,032 bbls, Taltal; 23,999 bbls, Antofagasta; 64,978 bbls, Tocopilla
LEMON—350 lbs, Manila
LINSEED—160 lbs, Santa Rosalia
LUBRICATING—22 drms, Medan
ORANGE—350 lbs, Manila
PARAFFIN BASE—460 lbs, Hong Kong
PAINT—880 lbs, Bombay
COALTAR—5,370 lbs, Agtofagasta
LIQUID—880 lbs, Antofagasta
PREPARED—50 lbs, Antofagasta
PETROLEUM, CRUDE—64,975 bbls, Yokahama; 3,497 bbls, Valparaiso
GAS LIQ—6,750 lbs, Bombay, 3,500 lbs, Vancouver
PHARMACEUTICAL PREPS—80 lbs, Manila
SOAP, LAUNDRY—860 lbs, Vancouver
SODA ASH—1 bg, 100 lbs, Manila; 55 bgs, 11,000 lbs, Sourabaya; 300 bgs, 46,200 lbs, Semarang
CAUSTIC—4,000 lbs, Batavia
TOILET PERPS—200 lbs Cavite; 3,200 lbs, Bombay; 500 lbs, Cindad

Philadelphia Exports

ALUMINA STEARATE — 100 bbls, Buenos Aires
CRYOLITE—22 bbls, Buenos Aires
GREASE, LUBRIC—30 cs, Rio de Janeiro; 38 cs, 13 qtr drms., Paranagua; 17 drms, Santos; 4 bbls, Santos; 2 bbls, Maceio
INK, PRINTING—47 pls, Buenos Aires; 1 bx, Buenos Aires
LITHIUM HYDROXIDE—4 cs, Osaka
MAGNESITE—400 bgs, Buenos Aires
OIL, LUBRIC—6 bbls, 320 cs, Santos; 55 dms, 20 cs, Buenos Aires; 508 dms, 860 cs, Rio de Janeiro; 105 cs, 33 dms, 1 bbl, Cabedello; 10 dms, 3 bbls, Maceio; 20 dms, 105 cs, 5 bbls, 5 half bbls, Paranagua; 10 dms, 86 cs, Santos; 137 dms, 300 cs, Montevideo; 153 dms, 80 cs, Buenos Aires; 705 dms, Yokohama; 397 dms, Kobe; 670 dms, Moji; 784 dms, Dairen; 20 cs, 4 dms, Para; 438 cs, 20 dms, Ceara; 175 cs, 186 dms, 2 half dms, Pernambuco; 55 cs, 6 dms, Maranhao; 1 cs, Paranagua
MINERAL—100 dms, Dairen
PARAFFIN—250 bgs, Buenos Aires
POTASH BICHROMATE—17 bbls, Buenos Aires
RESIN, VARNISH—88 dms, Buenos Aires

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

British Navicerts:—British Embassy announced that in the future applications for navicerts covering shipments to Sweden via Petsamo, Finland, should be submitted to the Swedish government cargo clearance committee rather than to a British consulate.

Crude Drugs:—United Kingdom has included crude drugs among the items for which individual import licenses must be obtained.

Lubricating Oil:—Ceylon has eliminated the requirement of license for importation of lubricating oil.

Petroleum:—Cuban decree provides that imports of petroleum and gasoline for storage under bond will no longer be permitted.

Medicinals:—Mexico has removed the prohibition against the exportation of medicinal products and of raw materials for their manufacture.

New Zealand Tax:—The government has increased to 10 percent the sales tax on all imports and on products of domestic manufacture, with certain specified exemptions.

Sal Soda:—Germany has established regulations governing the retail sale of sal soda.

Soap:—Portuguese government has suspended until December 31, 1940, the importation of perfumery, hair lotions, dentifrices and soaps.

Synthetic Resins:—Germany has further restricted the use of synthetic resin and plastics for molding. Synthetic resins derived from phenol, cresol or urea, except synthetic resins for the lacquer industry, and plastics for molding containing such resins shall not be used for the manufacture of: Notions and imitation jewelry; containers, except caps and lids for tubes and other containers; and household furnishings and other articles for daily use made of urea basic plastics, except razors.

Window Glass:—A Uruguayan resolution authorizes the Association of Floriculturists and Florists of Uruguay to import, duty-free, 1,000 cases of plain window glass for replacing glass broken during a recent storm.

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—69,514 bbls, Seattle; 2,157 bbls, San Diego; 363 bbls, San Diego; 2,740 bbls, San Diego; 7,240 bbls, Seattle; 24,466 bbls, San Francisco; 45,216 bbls, San Francisco; 2,194 bbls, San Diego; 1,412 bbls, San Diego; 368 bbls, San Diego; 69,467 bbls, Seattle; 50,513 bbls, San Francisco/Oakland; 24,550 bbls, San Francisco/Oakland
OIL, DIESEL — 11,613 bbls, Seattle; 2,376 bbls, San Diego; 4,356 bbls, San Francisco; 2,350 bbls, San Diego; 1,400 bbls, San Diego; 5,258 bbls, Seattle
FUEL — 62,127 bbls, Seattle; 2,398 bbls, Portland; 10,083 bbls, Seattle; 65,515 bbls, Seattle; 3,039 bbls, San Francisco/Oakland; 68,547 bbls, Oleum
FURNACE—1,780 bbls, Seattle

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any district office or cooperative office of the bureau, and not to this publication. When writing give the number of the item:—

Potash Perchlorate:—Bombay, India; purchase (205).
Potash Permanganate: — Alexandria, Egypt; purchase (208).
Phosphorus:—Alexandria, Egypt; purchase (208).
Rosin:—Cairo, Egypt; purchase (227).
Rosin:—Alexandria, Egypt; purchase (208).
Soda Bicarbonate:—Guadalajara, Mexico; purchase (235).
Soda Bisulphite:—Alexandria, Egypt; purchase (208).
Soda, Caustic:—Guadalajara, Mexico; purchase (235).
Soda Hyposulphite:—Salonika, Greece; purchase (229).
Soda Hyposulphite: — Alexandria, Egypt; purchase (208).
Soda Silicate:—Alexandria, Egypt; purchase (208).
Tartaric Acid:—Alexandria, Egypt; purchase (208).
Zinc Chloride:—Bombay, India; purchase (205).

W.R. Johnson Named Commissioner of Customs

W. R. Johnson has been appointed Commissioner of Customs to succeed Basil Harris, who resigned this week to return to private business. Supervision of the Bureau of Customs, for which Mr. Harris was responsible as Assistant to the Secretary, has been assigned to Assistant Secretary of the Treasury Herbert E. Gaston.

Mr. Johnson entered government service with his appointment as a clerk in the Custom House at New York January 16, 1920. He served as clerk for a short time, then as a customs liquidator for ten years. Since 1930 he has been attached to the Bureau of Customs legal staff in Washington and became chief counsel October 16, 1936.

Trade Ass'ns Must Know Antitrust Laws

—Continued from page 3

to a large extent to be artificially maintained and that many of the terms under which the product jobbers are permitted to do business with major industry members remain rigid and restricted.

(2) The department may desire to obtain evidence from those persons who were connected with the former prosecution and were convicted and paid fines upon pleas of nolo contendere. The grand jury which returned the former indictments, to which reference has been made, did not have the benefit of the testimony of these persons when it made its return and made these same persons parties defendant. Nevertheless, these very persons, being active for their respective companies in the conduct of the matters complained of in the indictments, are in the best positions possible to know accurately all the facts relating to the matters about which complaint is made.

For the former grand jury to have summoned these persons to throw light upon the investigation it was then conducting would have resulted in providing these persons with immunity from prosecution. Many of them could have indicated that they would claim their lawful privileges against self-incrimination and would furnish information in their possession only in return for immunity which the government, in view of the circumstances and the apparent gravity of the offenses, would undoubtedly not feel free to grant. Since these persons had entered pleas of nolo contendere and paid fines and could not under the law be prosecuted again for the same offenses, a subsequent grand jury would be in a position to compel these persons to disclose all the facts within their knowledge relating to the practices against which complaint may have been made.

In initiating such a subsequent grand jury investigation against members of an industry, the Department of Justice would be endeavoring to uncover completely the relevant facts surrounding the complaints received, and to test a prima facie case of violation under the Sherman act by evidence under oath. This would be a protection to possible offenders rather than a weapon against them. It would be a means of testing the accuracy of information given by complainants themselves, as well as those complained against. It would be a safeguarding of parties defendant against prosecutions brought on information which might not stand the test of investigation under oath.

Thus the calling of a grand jury should not be construed as an implication of guilt on the part of any of the persons subpenaed. The grand jury investigation is used by the department, not for the purpose of presenting the minimum of evidence necessary to obtain an indictment, but to investigate all the facts with the idea in mind of seeking the greatest possible protection of the public welfare.

(To be continued)

George White Given Party

George W. White, manager of city sales in the New York branch of Mallinckrodt Chemical Works, was entertained at a luncheon party July 26 in the Drug and Chemical Club by a dozen or so of his friends in the drug and chemical trades. The immediate occasion was that he was to be seventy-two years old the next day. Recognition was also given to the fact that he had been forty years on the M. C. W. staff. In addition to a lot of good-natured chaffing, Mr. White was presented with a pen-ink-and-clock-mounted onyx deskset.

Soybean Oil Consumption, Production Data Compiled

The rise of soybean oil to a position of major importance in the domestic consumption of fats and oils is discussed in a survey, "Soybean Oil—Development and Prospects," just completed by Carl M. Loeb, of Rhoades & Co. This study gives statistical data on the domestic soybean production as well as data on the uses of soybean oil in edible and inedible products. Copies of the study may be obtained at the office of the company, 61 Broadway, New York, by mentioning the REPORTER.

Trade Briefs

Vitamin C production from the hips of wild roses is being undertaken in Germany.

Chicle production in Guatemala during the 1939-40 season, which ends in July, has reached 1,263,359 pounds up to May 31.

F. F. Fuller has resigned as vice-president and a member of the directorate of the Borne-Scrymser Company, petroleum products, this city.

Donald B. Neill has been named general manager of the Independent Refiners Association of California, Inc., to succeed William S. Scully who resigned.

Kendall Refining Company is building a mechanical laboratory for engine testing of motor oil at its Oil City, Pa., plant. Completion will be in October.

Barada & Page, Inc., manufacturers sales representative, Kansas City, Mo., has issued its price list of agricultural and industrial chemicals for the third quarter of 1940.

Sun Pipe Line Company of Illinois has been formed as a subsidiary of the Sun Oil Company, Philadelphia, with a capital of $10,000, held by the parent company.

Brundred Oil Corporation's Oil City, Pa., plant was swept by fire July 21 and a power house was destroyed.

C. H. Lieb has been elected president of the Creole Petroleum Corporation, succeeding E. Holman, who was named a director of the parent company, the Standard Oil Company of New Jersey.

Brooklyn Tech Offering Evening Chemistry Courses

The Polytechnic Institute of Brooklyn has appointed Dr. H. Mark of Hawkesbury, Canada, as professor of organic chemistry. Dr. Mark, previously of the University of Vienna, will direct research in the field of high molecular weight compounds at the Polytechnic. For the year 1940-41, he will offer two courses of lectures in the graduate division. These will be given in the evening session and will be available for employed chemists in the metropolitan area. One of these courses will deal with the physical aspects of organic chemistry and the other with the chemistry of rubber.

Hercules Powder Income Up

The Hercules Powder Company, Wilmington, reported for the first six months of 1940 net earnings of $3,293,066, after providing for depreciation and Federal taxes. This is equal, after payment of preferred dividends, to $2.30 a share on an average of 1,316,710 share of common stock during the period. Figures for the first half of 1939 showed net earnings of $2,269,470, equal, after payment of preferred dividends, to $1.52 a share on an average of 1,316,710 shares outstanding.

Filter Advances Described

A comprehensive review of the latest advances in sheet filters is presented in an attractive booklet just issued by the American Seitz Filter Corporation. Special attention is given in the booklet to the clarifying and sterilizing of acids with the Seitz acidproof filters, and to intermediate filters for specialized sterilization work and medium-volume clarification problems. A copy of the "Seitz Sheet Filters Catalog" may be obtained by communicating with the American Seitz Filter Corporation, 480 Lexington avenue, New York, on mention of the REPORTER.

Dow Chemical Shifts McCann, Spiker, Nelson

The Dow Chemical Company has transferred Thomas E. McCann and Russel Spiker from its main office in Midland, Mich. to the New York office. W. L. Nelson has been transferred from the New York office to the Great Western Electro-Chemical Company, San Francisco, a subsidiary of the Dow company.

What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Paper

Plasticizers for Cellulosic Coatings for Paper or Pulp Articles

(Continued from July 22 issue)

Cyclohexyl citrate
Cyclohexyl laevulinate
Cyclohexyl 2-naphthol-benzoate
Cyclohexyl phthalate
Cyclohexylethanolamine
Cyclopentanol
Cyclopentanol formate
N-Cyclopentylamide of an aliphatic mono-carboxylic acid or a carboxylic acid
Dextrin diacetate
Dextrin dibutyrate
Dextrin ditartrate
Dextrin pentacetate
Dextrin tetratartrate
Dextrin triacetate
Diacetin
Diacetochlorhydrin
Diacetone arabitic ether
Dialkyl oxalate
3:4-Diaminobenzoic acid
Diamyl oxalate
Diamyl phthalate
Diamyl tartrate
Dibenzenesulpho-2:7-dioxynaphthalene
Dibenzenesulphoparacresol
Dibenzylbenzenesulphamide
Dibenzylparachlorobenzenesulphanilide
Dibenzylparatoluenesulphamide
Dibenzylparatoluenesulphanilide
Dibenzylparatoluenesulphoimide
Dibetaethoxybetaethoxyethyl adipate
Dibetamethoxyethyl phthalate
Dibetaphenylethyl ethylcitrate
Dibutyl maleate
Di-2-butyl octylphthalate
Di-2-butyl octylsuccinate
Dibutyl oxalate
Dibutyl phthalate
Dibutyl sebacate
Dibutyl succinate
Dibutyl tartrate
Dibutylstearmadie
Dichlorobenzyl benzoate
3:6-Dichlorophthalic acid
Dicresyl methylphosphate
Dicresylglyceryl ether
Dicresylin
Dicresyl-phosphoric acid amylester
Dicresyl-phosphoric acid ethylester
Dicresyl-phosphoric acid methylester
Dicresyl-phosphoric anlide
Dicyanodiamide
Dicyanodiamidin
Didimethylcyclohexanol oxalate
Diethyl adipate
Diethyl hydrophthalate
Diethyl isophthalate
Diethyl phthalate
Diethyl sebate
Diethyl tartrate
Diethylbromoacetylurea
Diethyldiphenylurea
Diethyleneglycol lactate
Diethyleneglycol tartrate
Diethylsulphodimethylmethane
Diethylsulphomethylethylmethane
Diethylsulphone
Diethylurea
Diglycerol
Diheptylsulphone
Dihydroxybenzene
Dihydroxydinaphthyl ketone
Dihydroxydiphenyl sulphonate
Dihydroxydiphenylsulphone
Di-isoamylethylsulphone
Di-isobutyl phthalate
Di-isobutylsulphone
Di-iso-normal-butylsulphone
Di-isopropylsulphone
Di-iso-normal-propylsulphone
Dimethyl adipate
Dimethyl phthalate
Dimethylaminobetacoumarin
Dimethylanilin
Dimethylcyclohexanol oxalate
Dimethylcyclohexanol phthalate
Dimethylcyclohexyl tartrate
Dimethylcyclohexylcarboxylic acid
2:4-Dimethyldimethylene dioxide
Dimethylphenyl carbamide
Dimethylsulphone
Dimethylurea
Dinaphthyl amylphosphate
Dinaphthyl carbonate
Dinaphthyl ketone
Dinaphthyl-phosphoric acid amylester
Dinaphthyl-phosphoric acid methylester
Dinaphthyl-phosphoric anilide
Dinitrobenzene
Dinitrodiphenylamine
Dinitrodiphenylethane
Dinitrotluene
Di-normal-propylsulphone
Dioxydiphenyldiethylmethylmethane
Dioxydiphenyldimethylmethane
Dioxydiphenylethylmethane
Dioxynaphthol ketone
Diparasulpho-2:7-dioxynaphthalene
Diphenyl-carbonated
Diphenyl, chlorinated
Diphenyl cresylphosphate
Diphenyl ether
Diphenyl ethylphosphate
Diphenyl oxide
Diphenyl phthalate
Diphenylamine
Diphenylbenzidin
Diphenylethane
Diphenylglyceryl ether
Diphenylmethane
Diphenylmethyl thiophosphate
Diphenyl-phosphoric acid amylester
Diphenyl-phosphoric acid anilide
Diphenyl-phosphoric acid cresylanilide
Diphenyl-phosphoric acid ethylanilide
Diphenyl-phosphoric acid methylanilide
Diphenyl-phosphoric acid methylester
Diphenyl-phosphoric acid naphthylanilide
Diphenyl-phosphoric acid naphthylester
Diphenyl-phosphoric acid phenylanilide
Diphenyl-phosphoric acid phenylester
Diphenylurea
Ditetrahydrofurfuryl adipate
Dodecyl acetate
Dodecyl alcohol
Dodecyl oleate
Edistin
Eleaolphthalic acid dibutylester
Eleaolphthalic acid diisobutylester
Erganol
Ergol
Erythritol
Erythritol acetate
Erythritol benzoate
Erythritol formate
Erythritol maleate
Erythritol nitrate
Erythritol oxalate
Erythritol phthalate
Erythritol succinate
Esters of 2-benzoylbenzoic and related acids
Ethanolamine
Ethox
Ethoxyacetylborneol
Ethoxyacetylmenthol
Ethoxyethyl phthallate
Ethyl abietate
Ethyl acetylsalicylate
Ethyl adipate
Ethyl azaelate
Ethyl betabutoxyethylsebacate
Ethyl butyrate
Ethyl carbamate
Ethyl carbanilate
Ethyl carbonate
Ethyl cinnamate
Ethyl dicresylphosphate
Ethyl diphenylphosphate
Ethyl meta-amidosulphobenzoate
Ethyl metanitroparaamidobenzoate
Ethyl oleate
Ethyl orthoamidosulphobenzoate
Ethyl oxalate
Ethyl oxamate
Ethyl oxanilate
Ethyl palmitate
Ethyl parasulphoamidobenzoate
Ethyl paratoluenesulphoamidoacetate
Ethyl paratoluenesulphonate
Ethyl phosphate
Ethyl phthalamate
Ethyl phthalanilate
Ethyl phthalate
Ethyl phthalonate
Ethyl pimelate
Ethyl propionate
Ethyl salicylate
Ethyl sebacate
Ethyl stearate
Ethyl suberate
Ethyl trichloroisobutylacetylsalicylate
Ethyl trichloroisopropylacetylsalicylate
Ethylacetanilide
Ethylaceto-orthonitrochloroanilide
Ethylacetyltetrachloroanilide, asymmetrical
Ethylanilide
Ethylanilide phosphate
Ethyleneglycol monoethylether
Ethyleneglycol monoethylether formate
Ethyleneglycol monoethylether phthalate
Ethylglycol acetate
Ethylglycol phthalate
Ethylidene 3-carboxylate
Ethylemethylsulphone
Ethylnaphthyl ether
Ethylparatoluenesulphoethylanilide
Ethylpentachloroanilide
Ethylphenylurea
Ethylphthalyl ethylglycollate
Ethyltrichloroanilide
Ethylurea
Eugenol
Eugenol benzylether
Exalgin
Fenchyl tetrahydrofuorate
Formalervthritic ether
Formanilide

(To be continued)

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IF YOU can offer chemical specialties and paint oils to advantage and would be interested in Ohio representation, address BOX 971, Oil, Paint and Drug Reporter.

MID-WESTERN IMPORTING firm, well introduced, and maintaining personal contact with their pharmaceutical, feed, and food trade, is interested in new connections for the sale of reliable non-conflicting products or specialties. BOX 973, Oil, Paint and Drug Reporter.

DESIRE TO represent manufacturer of essential oils, flavor or cosmetic raw materials, or importer of crude drugs, in Chicago and Middle West; have own office and phone facilities. Prefer contract with commission and expenses. Well experienced. BOX 968, Oil, Paint and Drug Reporter.

Capital Offered

FORMER CHEMICAL manufacturer, twenty years' business experience, will make substantial investment in sound chemical manufacturing or jobbing business. Also interested in promoting meritorious product or join in new business enterprise in the chemical or allied fields. BOX 974, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

SWEETLAND FILTER, No. 8; 30-inch Shriver cast iron filter press; two-ton lift truck; 5 ft. x 12 ft. drum dryer; pebble mills, 60-155-400 gallons capacity. Lawler Engineering Co., Metuchen, N. J.

SIX 250-GALLON paint mixers with three-inch side and bottom outlets; equipped with Nettco tight and loose pulley drive; excellent condition. Eagle Paint & Varnish Works, Inc., Long Island City. Telephone STillwell 4-0550.

Equipment Wanted

WANTED — For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixer, pulverizer. No dealers. BOX 932, Oil, Paint and Drug Reporter.

Factories Offered

BRICK FACTORY — 50x100, two-story, elevator, windows on three sides, live steam available; unrestricted district in Brooklyn; low rent. The R. L. Kraft Company, Woolworth Building, New York City. COrtlandt 7-9377.

Materials Offered

CRUDE FUSEL oil, 3,000 American gallons available for immediate shipment; packed in first-class second-hand heavy 50-gallon steel drums. Shanahan's Limited, Vancouver, B. C., Canada.

Positions Vacant

SALESMAN for Pacific Coast territory to make headquarters in San Francisco with previous experience selling flavors and essential oils and knowledge of chemistry preferred. Write full particulars, experience, indicate remuneration expected and enclose photograph. BOX 970, Oil, Paint and Drug Reporter.

OLD ESTABLISHED manufacturer has developed an all-purpose industrial paint which is alkaline and acid resisting, highly insulated for electric currents, and suitable for use on all types of structural materials, desires to contact a live, energetic, experienced paint salesman who would be willing to sell the line on a straight commission basis. BOX 975, Oil, Paint and Drug Reporter.

CHEMIST-COLOR MATCHER—Practical man wanted in small plant manufacturing laquers and synthetics. Good opportunity for willing worker. State salary, experience and references in detail. BOX 977, Oil, Paint and Drug Reporter.

Positions Wanted

PHARMACEUTICAL CHEMIST—30 years' diversified experience; analytical, biological, vitamins, research, labeling, raw material control, new product development, office administration; skilled in manufacture of pills, tablets, ampules; references. BOX 959, Oil, Paint and Drug Reporter.

Positions Wanted

FIFTEEN YEARS' experience in the production and application of the important thermoplastic and thermosetting plastics and resins to the industry. Particular experience in molding and casting compositions, laminating and impregnating solutions, and adhesive and coating compositions. Prior art surveys and patent evaluations. Ph.D. BOX 969, Oil, Paint and Drug Reporter.

SECRETARY-STENOGRAPHER — Right-hand assistant (female); formerly with leading gum, dextrine manufacturer; thoroughly experienced technical dictation, purchasing chemicals, production use, sales promotion; good education. BOX 967, Oil, Paint and Drug Reporter.

CHEMICAL ENGINEER, native American, graduate Mid-Western college, also Ph.D. Berlin Univ., seven years industrial research, eight years organic chemistry lines, seven years plant management. Whole or part time, metropolitan area. BOX 972, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers—If you are now unemployed send your complete chronological record of education and experience to Chemist advisory Council, Room 811, 60 East 42nd street, New York City.

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WILL BUY—Your surplus or off-grade chemicals, oils, waxes, pharmaceuticals, gums, by-products, residues. For quick action phone Mr. Gelb, WAlker 5-4250. Barclay Chemical Company, Inc., 75 Varick street, New York.

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Bids Wanted

Acetone:—41,259 gallons; Contracting Officer, Material Division, Air Corps, Wright Field, Dayton, Ohio; circular 62, opening August 7.

Acid, Mixed:—1,000,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 118, opening July 29.

Muriatic:—40,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 119, opening July 29.

Nitric:—20,000 pounds, Commanding Officer, Picatinny Arsenal, N. J.; procurement 119, opening July 29.

Sulphuric:—1,600,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 118, opening July 29.

400,000 pounds for Philadelphia; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 2526, opening August 2.

Aluminum Bronze Powder:—4,100 pounds; Contracting Officer, Material Division, Air Corps, Wright Field, Dayton, Ohio; circular 56, opening August 2.

Calcium Chloride:—20 tons; Commanding Officer, Aberdeen Proving Ground, Md.; circular 31, opening August 16.

Copper Sulphate:—500 pounds; Quartermaster, West Point, N. Y.; invitation 1052-21, opening August 8.

Dimethylaniline:—100,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 120, opening July 29.

Glue, Animal:—600 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 125, opening July 31.

Mercury Fulminate:—100 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 130, opening August 5.

Mustard, Ground: — 20,000 pounds for Eastern and Western yards; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 2521, opening August 13.

Nitrocellulose:—2,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 142, opening August 6.

Paint, Ammunition:—600 gallons; Commanding Officer, Picatinny Arsenal, N. J.; procurement 134, opening August 5.

Soap, Grit Paste:—2,088 pounds, Procurement Division, Treasury Department, Washington, D. C.; invitation 8464-DS3, opening July 31.

Contracts Awarded

Shellac:—150,000 pounds, flake or ground, for Mare Island; awarded to Gillespie-Rogers-Pyatt Company, New York, at 14.70c. per pound, by the Navy Department.

100,000 pounds, for Norfolk Navy Yard; awarded to Colony Import and Export Corporation, New York, at 14.55c. per pound, less 1 percent, by the Navy Department.

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2—Devine 5 ft. by 33 ft. Rotary Vacuum Dryers; other sizes from 2' x 6' up. Can be supplied with or without condensers and pumps.
1—Proctor & Schwartz 3-truck Dryer, 720 sq. ft. heating surface.
1—Louisville 4 ft. 6 in. by 20 ft. Steam Tube Dryer.
12—Vacuum Shelf Dryers, all sizes.
1—Zaremba Triple effect Evaporator, 2,100 sq. ft. par effect.
1—9 ft. Copper Vacuum Coil Pan.
1—W. & P. Vacuum Mixer, 100 gal.; other W. & P.'s, 2 gal. to 2,650 gal.
7—3-roll Roller Mills, up to 16 by 40.
1—5 ft. by 22 in. Hardinge Conical Ball Mill.
12—Ball Mills, 10 gal. to 500 gal.
2—Shriver 32 in. x 32 in. castiron Filter Presses, recessed, center feed, 30 plates; other sizes from 7" x 7" to 42" x 42".
1—Oliver 8 ft. x 12 ft. Rotary Continuous acid proof Filter.
1—700 gal. Duriron jacketed Kettle.
1—Day 80 gal. Brighton Change Can Mixer.
2—No. 10 Sweetland Filters, 2" and 2½" c.c.; others all sizes.

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Howard Heads Research For N.J. Standard Oil Co.

—Continued from page 4

ates, including the Standard Alcohol Company, the Standard I. G. Company, Jasco Incorporated, the Hydro Patents Company, and the Ethyl Gasoline Corporation.

A graduate of the George Washington University law school in 1914, Mr. Howard joined the Standard Oil organization in 1919, when he was invited to organize a general technical and patent department. In 1922 this department became the Standard Development Company, and Mr. Howard was elected its president.

Sulphur Freights Revised

The Interstate Commerce Commission has authorized rates of $6 per ton of crude sulphur, minimum 80,000 pounds, from points in Texas and Alabama to Macon, Ga. An application was denied for a rate of 35 cents per 100 pounds on crude sulphur from destinations in Texas to Barksdale, Wis.

Argentine Plastics Industry Studied by Comm. Bureau

The organic plastics industry of Argentina is still in a very preliminary stage, according to the first of a recent series of surveys which the Bureau of Foreign and Domestic Commerce has made concerning the production and distribution of plastics in the principal South American countries.

The survey points out that while Argentina is an important producer of casein, practically all of such material is exported. Only recently, it states, has galalith been manufactured in the country on a small commercial scale. There are also a few small firms endeavoring to produce phenol-formaldehyde plastics in powder form, in the black and brown colors which are easiest to make, it is said.

The fabrication of plastic articles is more highly developed, the report also declares. Six or seven important firms in Buenos Aires are described as fabricating materials from semi-finished plastics, as well as numerous smaller concerns. The survey states that "It may be said that Argentine sales possibilities for new plastic articles have been fairly well explored.

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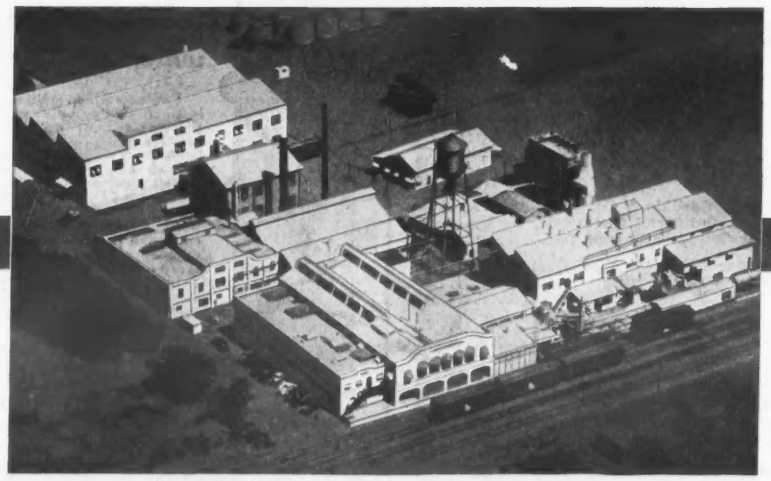

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